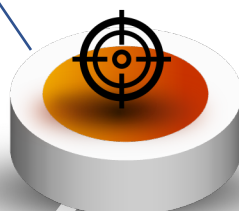


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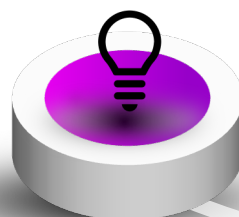


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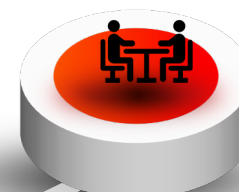


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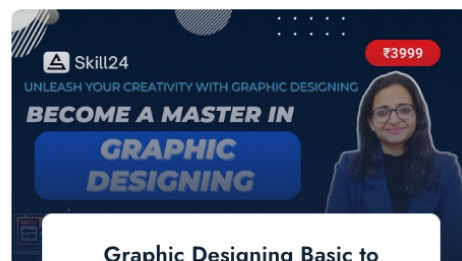
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A person is sitting on a wooden pier, looking out at the ocean during sunset. A large, semi-transparent circle is overlaid on the image, containing text. The person is wearing a red jacket and is seen from the side. The background shows the ocean and a hazy sky.

Don't get lost in your
pain, know that one day
your pain will become
your cure.

Rumi

SC says it can end wait for consensual divorce

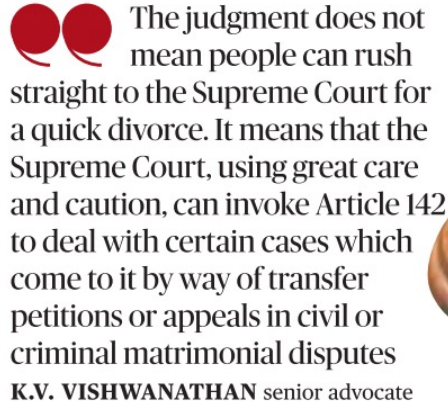
SC says it can use its extraordinary power under Article 142 of the Constitution to grant divorce on ground of irretrievable breakdown of marriage if separation is inevitable and damage irreparable

Krishnadas Rajagopal

NEW DELHI

The Supreme Court on Monday held that its extraordinary discretion under Article 142 of the Constitution can be used to do “complete justice” for couples trapped in bitter marriages by granting them divorce by mutual consent, sparing them the “misery” of waiting for six to 18 months for a local court to declare the annulment final.

A Constitution Bench, headed by Justice Sanjay Kishan Kaul, observed that the same extraordinary power could be used by the court to quash pending criminal or legal proceedings, be it over domestic violence or dowry, against the man or woman. This would wipe the slate clean

 The judgment does not mean people can rush straight to the Supreme Court for a quick divorce. It means that the Supreme Court, using great care and caution, can invoke Article 142 to deal with certain cases which come to it by way of transfer petitions or appeals in civil or criminal matrimonial disputes

K.V. VISHWANATHAN senior advocate

and help them start afresh their separate lives.

The judgment on five petitions including the lead one filed by Shilpa Sailesh in 2014, authored by Justice Sanjiv Khanna for the Constitution Bench, further observed the way the entire law of divorce was built predominantly on “assigning fault” on one or the other partner. Such an

approach fails to serve broken marriages, the court noted. “If a marriage is wrecked beyond hope of salvage, public interest lies in recognising this real fact,” Justice Khanna reasoned.

Taking this logic forward, the Bench held that the Supreme Court could also use Article 142 to grant divorce on the ground of

“irretrievable breakdown of marriage” if the “separation is inevitable and the damage is irreparable”. The judgment is significant as irretrievable breakdown of marriage is not yet a ground for divorce under the Hindu Marriage Act.

However, the judgment cautioned that grant of divorce by the Supreme Court on the ground of irretrievable breakdown of marriage was “not a matter of right, but a discretion which is to be exercised with great care and caution”. The court said the facts established must show that “the marriage has completely failed and there is no possibility that the parties will cohabit together”.

CONTINUED ON

» PAGE 10


Recently, the **Kerala High Court** stated that the stipulation of the period of one year or more for filing a divorce petition by mutual consent under **Section 10 A** of the **Divorce Act, 1869** violates **fundamental rights** and is unconstitutional.

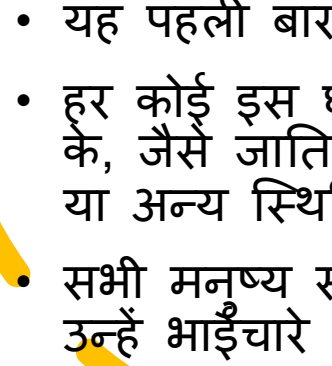
हाल ही में, केरल उच्च न्यायालय ने कहा कि तलाक अधिनियम, 1869 की धारा 10 ए के तहत आपसी सहमति से तलाक की याचिका दायर करने के लिए एक वर्ष या उससे अधिक की अवधि की शर्त मौलिक अधिकारों का उल्लंघन करती है और असंवैधानिक है।

- The **one-year** period is stipulated in **Section 28(1)** of the [Special Marriage Act](#), **Section 13B (1)** of the **Hindu Marriage Act** and **Section 32B (1)** of the **Parsi Marriage and Divorce Act**.
- Earlier **the Section 10A of the Indian Divorce Act** mandated a **2-years** waiting period for the application of divorce.
- विशेष विवाह अधिनियम की धारा 28(1), हिंदू विवाह अधिनियम की धारा 13बी (1) और पारसी विवाह और तलाक अधिनियम की धारा 32बी (1) में एक वर्ष की अवधि निर्धारित की गई है।
- पहले भारतीय तलाक अधिनियम की धारा 10ए ने तलाक के आवेदन के लिए 2 साल की प्रतीक्षा अवधि को अनिवार्य कर दिया था।

- **Article 8** of the [Universal Declaration of Human Rights](#) declares that everyone has the right to an **effective remedy** by the **competent national Tribunals** for acts violating **fundamental rights** granted by the **constitution** or by **law**.
- मानवाधिकारों की सार्वभौम घोषणा के अनुच्छेद 8 में यह घोषणा की गई है कि प्रत्येक व्यक्ति को संविधान या कानून द्वारा दिए गए मौलिक अधिकारों का उल्लंघन करने वाले कृत्यों के लिए सक्षम राष्ट्रीय न्यायाधिकरणों द्वारा एक प्रभावी उपाय का अधिकार है।

- What is the Universal Declaration of Human Rights?
 - The **Universal Declaration of Human Rights (UDHR)** is a **milestone** in the history of **human rights**.
 - The Declaration was proclaimed by the **United Nations General Assembly** in **Paris, December 1948** on **Human Right Day**.
 - Every year **Human Rights Day** is celebrated on **10th December** all around the world.
-
- मानव अधिकारों की सार्वभौम घोषणा क्या है?
 - मानव अधिकारों की सार्वभौमिक घोषणा (यूडीएचआर) मानव अधिकारों के इतिहास में एक मील का पत्थर है।
 - घोषणा की घोषणा संयुक्त राष्ट्र महासभा द्वारा पेरिस में, दिसंबर 1948 मानवाधिकार दिवस पर की गई थी।
 - हर साल 10 दिसंबर को पूरी दुनिया में मानवाधिकार दिवस मनाया जाता है।

- 
- It sets out, for the **first time, fundamental human rights** to be universally protected.
 - Everyone is entitled to all the **rights and freedoms** set forth in this Declaration, without distinction of any kind, such as **race, colour, sex, language, religion, political or other opinion, national or social origin, property, birth or other status**.
 - All human beings are born **free and equal in dignity and rights**. They are endowed with **reason and conscience** and should act towards one another in a **spirit of brotherhood**.

- 
- यह पहली बार, सार्वभौमिक रूप से संरक्षित किए जाने वाले मौलिक मानवाधिकारों को निर्धारित करता है।
 - हर कोई इस घोषणा में निर्धारित सभी अधिकारों और स्वतंत्रताओं का हकदार है, बिना किसी प्रकार के भेद के, जैसे जाति, रंग, लिंग, भाषा, धर्म, राजनीतिक या अन्य राय, राष्ट्रीय या सामाजिक मूल, संपत्ति, जन्म या अन्य स्थिति।
 - सभी मनुष्य सम्मान और अधिकारों में स्वतंत्र और समान पैदा होते हैं। वे तर्क और विवेक से संपन्न हैं और उन्हें भाईचारे की भावना से एक दूसरे के प्रति कार्य करना चाहिए।

Assault on regional concerns up under BJP: Cng leader

Nistula Hebbar

BENGALURU

Questions of regional identity, language and culture have been foregrounded in a big way by the Congress in its election campaign in Karnataka, a move, says senior party leader Krishna Byre Gowda, which was necessitated by rising "levels of assault" on regional concerns by the BJP.

Speaking to *The Hindu*, Mr. Gowda, who was Agriculture Minister in the Sid daramaiah government and is in the poll fray from the Byatarayanapura constituency, said: "These issues have become more pronounced and necessary under the BJP regime because prior to this there wasn't such a level of assault on regional identity, culture and language. Now the attempted imposition of Hindi using the government machinery has become more pronounced, hence we have to speak up for diversity, for all cultures and languages, and we demand respect for every one of them," he said.

"It is also necessary in the face of financial injustice to States, especially more progressive States like Karnataka. It is very pronounced under BJP. There are many Union public sector undertakings in Karnataka and we saw their identities go, like Vijaya Bank, State Bank of Mysore, and now if we have to lose a farmers' organisation like the milk federation [Nandini], which will severely jolt the



Krishna Byre Gowda

interests of farmers, the situation created has forced us to be more assertive on issues of regional identity and interests. If BJP had followed a more federal, diverse approach, these issues would not have come to the forefront," he added. On being asked about the general perception that the BJP has dialled down on issues such as hijab and halal meat, he said that it could be because of push-back from Kannadigas. "They have milked this polarisation to its maximum utility, and they probably realised that beyond a certain point, Kannadigas react adversely to pushing this too far," he said.

"Even the caste reservations that they tried to play more progressive States like Karnataka. It is very pronounced under BJP. There are many Union public sector undertakings in Karnataka and we saw their identities go, like Vijaya Bank, State Bank of Mysore, and now if we have to lose a farmers' organisation like the milk federation [Nandini], which will severely jolt the

Mr. Gowda asserted that while the BJP was trying to gain traction in Southern Karnataka, it was unlikely to hurt the Congress.

Amendment to Factories Act withdrawn, says Stalin

Speaking at the May Day celebrations in Chennai, Tamil Nadu Chief Minister says DMK will never jeopardise workers' welfare and the MLAs would soon be told about the Bills withdrawal

The Hindu Bureau
CHENNAI

Tamil Nadu Chief Minister M.K. Stalin on Monday said the State's recent controversial Bill amending the Factories Act, 1948, to enable extended working hours in select factories has been withdrawn.

Speaking at the May Day celebrations organised by the ruling DMK-affiliated Labour Progressive Federation (LPF) at May Day Park in Chennai, he said all the MLAs would soon be told about the Bill's withdrawal.

Owing to strong opposition from trade unions and political parties following the adoption of the Bill by the Tamil Nadu Legislative Assembly on April 21, senior Ministers had held talks with trade unions on April 24.

Mr. Stalin, on the same day, announced that further action on the Bill had been put on hold. The amendment would have enabled exemption to industries from the present norms on maximum work hours, holidays and overtime wages as defined in the Act.

Mr. Stalin said if the introduction of a bill required courage, its withdrawal in two days without any hesitation, also required courage. He said this was in contrast to the Union government dealt with the protests against the Farm Bills. He said it did not bother about the protests and left the protesting farmers to suffer in harsh conditions, in summer and winter, leading to the loss of several lives.

He said, "You know who felt happy by dismissing lakhs of government employees overnight through the ESMA and TESMA."



Chief Minister M.K. Stalin with Ministers at May Day Park in Chennai on Monday. N. RAO

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80 Indians arrested during gambling raid in Thailand

The Hindu Bureau
HYDERABAD

The Thailand Police have unearthed a massive gambling racket, leading to the arrest of 80 Indians, including Chikoti Praveen allegedly set up a gambling den with about 14 women at Asia Pattaya Hotel in Pattaya.

It was also revealed that people from Hyderabad and other parts of India were allegedly brought in for gambling.

eastern coast of Thailand. The officials found a logbook which had gambling credit records showing about 200 lakh worth of credits in circulation.

Sources said that Chikoti Praveen allegedly set up a gambling den with about 14 women at Asia Pattaya Hotel in Pattaya.

It was also revealed that people from Hyderabad and other parts of India were allegedly brought in for gambling.

The group was scheduled to leave for India on Monday morning. Earlier, the ED officials had raided Praveen's house at RS Sadan in Hyderabad and his farmhouse at Kadthal on the city outskirts while probing the irregularities pertaining to the group.

He was also arrested by the Hyderabad Police in 2017 following a raid at a star hotel for organising gambling.

Elephants destroy hut in Idukki

The Hindu Bureau
TRIPUNITHUR

A day after tusker Arimban Tiger Reserve (PTR) in Thekkady, a herd of wild elephants, including tusker Chakkakompan, attacked a hut at Vilakkal near Chinnakkal, in the Idukki district, forcing residents to flee. The elephants attacked the hut around 5 a.m. The family was away during the attack and was escaped.

BJP govt. setting clock back by allowing 12-hour shift for factory workers, says Kharge

The Hindu Bureau
BENGALURU

Congress president M. Mallikarjun Kharge on Monday alleged that the BJP governments at the Centre and Karnataka have been "anti-labour" by passing the legislation amending the Factories Act, 1948, to allow extension of the working day to up to 12 hours.

The Karnataka government has conceded the demands of MNCA and in the name of ease of doing business, extended the working hours, he said. This "is like setting the clock back", Mr. Kharge added.

In February, Karnataka adopted the Factories Bill,

can a female employee say no to night shifts? Four labour codes have been passed without a debate in Parliament, he said.

"These codes weaken protections for workers and are anti-worker because governments have enormous flexibility to waive workplace safety requirements, social security, and protection from layoffs," he said.

He said, "I am a labourer's son and have led a labour union. I know what is needed to tackle real problems. The first step is to stop ignoring workers in decision-making and revive the voice of workers in the government".

On allowing women on night shift in factories, he asked, "When unemployment is at a record high,

PIL seeks Bill against screening for nursery admissions passed

Maitri Porecha

NEW DELHI

Challenging a long delay of seven years in passing the Delhi School Education (Amendment) Bill, 2015, which bans screening procedure in nursery admission in schools, a public interest litigation (PIL) was filed on Monday in the Delhi High Court.

Over 1.5 lakh school-going children between ages of three and six have been caught in a pincer grip between the Centre and the Delhi government as both remain undecided on passing the bill.

Private schools adopt screening of children three years and above, which is unethical, said Ashok Agarwal, a senior Delhi-based advocate, who filed the PIL. "While this is already prohibited under the Right to Education (RTE) Act, it does not apply to children below six years of age, and does not cover admission of children at pre-primary level."

Currently, there is a management quota and point system criteria for admission of children in nursery class pertaining to screening, the PIL states. Criteria such as alumni, siblings studying in same school and distance of residence from school are all part of the screening. Points are assigned out of one child over another parameters. "Those with maximum points find seats automatically. If there are more children than seats, school would go for draw of lots," said Mr. Agarwal.

After passing the Bill in the Delhi Assembly in 2015, the State government had sent it to the Lieutenant-Governor for assent, who relayed it to the Centre for consideration.

The Centre sent it back to the Delhi government on September 29, 2021 seeking changes.

In a written reply dated April 11, the Ministry of Home Affairs cited the Education Ministry as stating that the latter's comments will be provided once the Bill is drafted by the Delhi government in conformity with the National Education Policy 2020.

It added that the revised Bill had not been received by the Ministry yet. "Almost seven years have elapsed without a decision and pre-primary level admissions are going on unchecked and adversely affecting the interest of children. Enacting the law banning screening procedure at entry level (nursery/pre-primary) is important as all admissions in unaided private schools are taking place at entry level for children below six years of age," Mr. Agarwal said.

The pending Bill of 2015 prohibits any capitation fee, and use of any screening procedure which gives preference of admission to one child over another also proposes to levy a fine which may extend to 10 times the capitation fee charged or ₹5 lakh, and imprisonment of three years.

Actor Rajinikanth's fans and Twitter users are demanding an apology from the ruling YSR Congress Party (YSRCP) in Andhra Pradesh. The hashtag #YSRCPApologizeRAJINI trended on Twitter with over 1.2 lakh tweets as of 3 p.m. on Monday.

The ruling party drew the ire of Rajinikanth's fans after MLA Kodali Venkateswara Rao (Nani) and Minister for Tourism R.K. Raja made comments against the actor. The actor was criticised for praising the Leader of the Opposition and chief of the Telugu Desam Party (TDP) N. Chandrababu Naidu during the celebrations of the birth centenary of former Chief Minister and TDP founder N.T. Rama Rao in Vijayawada recently.

Mr. Nani had remarked that Mr. Rajinikanth was one of the actors who visited Viceroy Hotel and extended support to Mr. Naidu when he "backstabbed" N.T. Rama Rao.

"The derogatory comments made against Rajinikanth by YSRCP are objectionable. It is sad to see an legendary personality like Rajinikanth not being spared by the YSRCP. Rajinikanth has shared his opinions and did not talk anything against the government. The ruling party, CM Jagan should control its party leaders and tender an apology," Mr. Naidu said in a tweet on Monday.

Fans of Rajinikanth expressed concern over the actor being targeted for expressing his views.

In strength



Sea of red: Members of the Centre of Indian Trade Unions take part in a rally organised on International Labour Day in Hyderabad on Monday. Marches were held by the trade union body in other parts of the country too. G. MATEESWARA

One killed in blast at illegal firecracker unit in Palakkad

The Hindu Bureau
PALAKKAD

A blast that took place in an illegal firecracker making unit adjoining a house at Keralassery in Kerala claimed a life on Monday. However, the victim could not be identified as the body was blown to pieces.

The police said they suspected that the house owner Abdul Razak could be the victim. Razak has been missing since the blast. Neighbours had seen him last standing in the courtyard of his house.

Razak was engaged in firecracker making. He had a licence to make firecrackers, and a manufacturing

The police said they suspected that the owner of the house adjoining the unit could be the victim.

unit was functioning elsewhere. The police said this unit, where the blast took place had no licence.

The blast took place around 10 a.m., and the local people suspected it to be a gas cylinder blast. The shed attached to the house was destroyed in the blast, and the body parts scattered in the rubble.

The Kerala Police said they were investigating the case.

Additional force deployed in Kuppam after clash of YSRCP and TDP supporters

The Hindu Bureau
CHITTOOR

Additional police force has been deployed in the Kuppam Assembly constituency in Andhra Pradesh, after clashes erupted between supporters of the ruling YSRCP and the Opposition Telugu Desam Party (TDP) in two villages over the conduct of local festivals.

Superintendent of Police (Tirupati) P. Parameswari Reddy, who is in charge of the Chittoor district, visited Kuppam town and surrounding areas on Sunday evening and appealed to the public to

The clash between the groups was over the conduct of village festivals, according to police.

A similar incident took place over the village festival at Lakshminiparav village in Kuppam on April 28, and the police brought the situation under control.

However, the next day, a youth was attacked and his motorcycle was burnt in Kuppam. The youth and his family members were in charge of the Chittoor district, visited Kuppam town and surrounding areas on Sunday evening and appealed to the public to

ties had collected ₹3,500 from each family in Palakkad. The quarrel, however, began when the party raised objections.

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ED questions TSPSC chairman, secretary in paper leak case

The Hindu Bureau
HYDERABAD

Telangana State Public Service Commission (TSPSC) Chairman B. Jaganmohan Reddy and secretary Anita Ramachandran on Monday appeared before the Enforcement Directorate for questioning in a paper leak case.

The ED investigating the alleged leakage of TSPSC exam questions, has recorded statements of the chairman and secretary in a charge of confidential service. The chairman and secretary were also questioned about the leakage of TSPSC exam questions.

On Monday, Mr. Reddy and Ms. Anita reached the office at 11.30 a.m., and questioning continued till evening.

In strength



Sea of red: Members of the Centre of Indian Trade Unions take part in a rally organised on International Labour Day in Hyderabad in Telangana on Monday. Marches were held by the trade union body in other parts of the country too. G. RAMAKRISHNA

Imaginations in Sand
by Sudarshan Pattanai



- The first of May, also known as May Day, honors the events that marked the beginning of the workers' revolution in 1890.
- The first worldwide congress of socialist parties met in Paris, France, on July 14, 1889, and declared May 1st to be "Workers Day of International Unity and Solidarity."
- The purpose of the event was to promote the eight-hour workweek and raise awareness of the labour movement, both of which were priorities for American labour activists in 1886.

- पहली मई, जिसे मई दिवस के रूप में भी जाना जाता है, उन घटनाओं का सम्मान करता है जो 1890 में श्रमिक क्रांति की शुरुआत को चिह्नित करती हैं।
- समाजवादी पार्टियों की पहली विश्वव्यापी कांग्रेस 14 जुलाई, 1889 को पेरिस, फ्रांस में हुई और 1 मई को "अंतर्राष्ट्रीय एकता और एकजुटता का श्रमिक दिवस" घोषित किया गया।
- घटना का उद्देश्य आठ घंटे के कार्य सप्ताह को बढ़ावा देना और श्रमिक आंदोलन के बारे में जागरूकता बढ़ाना था, जो दोनों 1886 में अमेरिकी श्रमिक कार्यकर्ताओं के लिए प्राथमिकताएं थीं।

-
- Labour Day **has its origins in the labour union movement in the United States** in the 19th Century.
 - However, the **USA and Canada celebrate Labour day on the first Monday of September, every year.**
 - Labour day was designated as a day in support of workers by trade unions and socialist groups in the memory of the **Haymarket affair of 1886 in Chicago, USA.**
 - मजदूर दिवस की शुरुआत 19वीं सदी में संयुक्त राज्य अमेरिका में श्रमिक संघ आंदोलन से हुई थी।
 - हालांकि, यूएसए और कनाडा हर साल सितंबर के पहले सोमवार को मजदूर दिवस मनाते हैं।
 - श्रम दिवस को ट्रेड यूनियनों और समाजवादी समूहों द्वारा शिकागो, संयुक्त राज्य अमेरिका में 1886 के हेमार्केट मामले की याद में श्रमिकों के समर्थन में एक दिन के रूप में नामित किया गया था।

- **Europe:**

- May Day was **first celebrated on 1st May, 1890**, after it was declared by the first **International Congress of Socialist Parties** in Europe in July 1889.

- **USSR:**

- The Soviet Union and the Eastern bloc nations **started celebrating the Labour day after the Russian Revolution, 1917.**

- **India:**

- The first Labour's Day was celebrated in 1923 in Chennai. This day was observed by the **Labour Kisan Party of Hindustan**.
- On this day, communist leader **Malayapuram Singaravelu Chettiar** asked the government that 1st May should be considered as a national holiday to symbolise the efforts and work of the workers.
- This day is also known as Kamgar Divas, Kamgar Din and Antarrashtriya Shramik Divas in India.

- **भारत:**

- पहला मजदूर दिवस 1923 में चेन्नई में मनाया गया था। इस दिन को लेबर किसान पार्टी ऑफ हिंदुस्तान द्वारा मनाया गया।
- इस दिन, कम्युनिस्ट नेता मलयपुरम सिंगारवेलु चेट्टियार ने सरकार से कहा कि 1 मई को श्रमिकों के प्रयासों और कार्यों के प्रतीक के रूप में राष्ट्रीय अवकाश माना जाना चाहिए।
- इस दिन को भारत में कामगार दिवस, कामगार दिन और अंतरराष्ट्रीय श्रमिक दिवस के रूप में भी जाना जाता है।

- **Constitutional Provisions Related to Labour**

- Indian constitution provides numerous safeguards for the protection of labour rights. These safeguards are in the **form of fundamental rights and the Directive principle of State policy**.
- **Article 14** commands the State to **treat any person equally before the law**.
- **Article (19) (1) (c)** grants citizens the **right to form associations or unions**.
- **Article 21** promises **protection of life and personal liberty**.
- **Article 23** prohibits forced labour.

-
- श्रम से संबंधित संवैधानिक प्रावधान
 - भारतीय संविधान श्रम अधिकारों की सुरक्षा के लिए कई सुरक्षा उपाय प्रदान करता है। ये सुरक्षा उपाय मौलिक अधिकारों और राज्य नीति के निर्देशक सिद्धांत के रूप में हैं।
 - अनुच्छेद 14 राज्य को किसी भी व्यक्ति के साथ कानून के समक्ष समान व्यवहार करने का आदेश देता है।
 - अनुच्छेद (19) (1) (सी) नागरिकों को एसोसिएशन या यूनियन बनाने का अधिकार देता है।
 - अनुच्छेद 21 जीवन और व्यक्तिगत स्वतंत्रता की सुरक्षा का वादा करता है।
 - अनुच्छेद 23 बंधुआ मजदूरी पर रोक लगाता है।

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- **Article 24 prohibits employment of children below the age of fourteen years.**
 - **Article 39(a)** provides that the State shall **secure to its citizens equal right to an adequate means of livelihood.**
 - **Article 41** provides that within the limits of its economic capacity the State **shall secure for the Right to work and education.**
 - **Article 42** instructs the State to make provisions for securing just and humane conditions of work and for maternity relief.

अनुच्छेद 24 चौदह वर्ष से कम आयु के बच्चों के नियोजन पर रोक लगाता है।

अनुच्छेद 39(ए) प्रदान करता है कि राज्य अपने नागरिकों को आजीविका के पर्याप्त साधन के समान अधिकार सुरक्षित करेगा।

अनुच्छेद 41 प्रदान करता है कि राज्य अपनी आर्थिक क्षमता की सीमा के भीतर काम और शिक्षा के अधिकार को सुरक्षित करेगा।

अनुच्छेद 42 राज्य को निर्देश देता है कि वह काम की उचित और मानवीय स्थितियों को सुरक्षित रखने और मातृत्व राहत के लिए प्रावधान करे।

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- **Article 43** orders the State to secure a **living wage, decent conditions of work and social and cultural opportunities** to all workers through legislation or economic organisation.
 - **Article 43A** provides for the **participation of workers in Management of Industries through legislation**.

- अनुच्छेद 43 राज्य को कानून या आर्थिक संगठन के माध्यम से सभी श्रमिकों के लिए एक जीवित मजदूरी, काम की अच्छी स्थिति और सामाजिक और सांस्कृतिक अवसर सुरक्षित करने का आदेश देता है।
- अनुच्छेद 43ए विधान के माध्यम से उद्योगों के प्रबंधन में श्रमिकों की भागीदारी का प्रावधान करता है।

The dragon checks in

China is the world champion in both Open and women's chess, but India is in a superior position in terms of talent

Top of the world

China now holds both the men's and women's world titles in chess. While Ding Liren won the title on Monday, Ju Wenjun is set to defend her title in July. Yet, with 49 GMs and 4 super GMs, China lags behind its neighbour India, which has 80 GMs and 5 super GMs. The tables and graphs are based on data collated from ratings.fide.com, 2700chess.com and chess.com



Table 1A | Players who won the classical version of the tourney

World champions	Wins	Nation
Wilhelm Steinitz	4	Austria/U.S.
Emanuel Lasker	6	Germany
Jose Raul Capablanca	1	Cuba
Alexander Alekhine	4	France
Max Euwe	1	Netherlands
Mikhail Botvinnik	5	U.S.S.R
Vasily Smyslov	1	U.S.S.R
Mikhail Tal	1	U.S.S.R/Latvia
Tigran V. Petrosian	2	U.S.S.R
Boris Spassky	1	U.S.S.R
Bobby Fischer	1	U.S.
Anatoly Karpov	3	U.S.S.R/Russia
Garry Kasparov	6	U.S.S.R/Russia
Vladimir Kramnik	3	Russia
Viswanathan Anand	4	India
Magnus Carlsen	5	Norway
Ding Liren	1	China

Table 1B | The FIDE champions in the 1993-2006 period

World champions	Wins	Nation
Anatoly Karpov	3	U.S.S.R/Russia
Alexander Khalifman	1	Russia
Viswanathan Anand	1	India
Ruslan Ponomariov	1	Ukraine
R Kasimdzhhanov	1	Uzbekistan
Veselin Topalov	1	Bulgaria

Table 2 | Chinese women have won most Women's World Championships since 1991. Table lists all women champions

World champions	Nation
Vera Menchik	U.S.S.R
Lyudmila Rudenko	U.S.S.R
Elisaveta Bykova	U.S.S.R
Olga Rubtsova	U.S.S.R
Nona Gaprindashvili	U.S.S.R
Maia Chiburdanidze	U.S.S.R
Xie Jun	China
Susan Polgar	Hungary
Zhu Chen	China
Antoaneta Stefanova	Bulgaria
Xu Yuhua	China
Alexandra Kosteniuk	Russia
Hou Yifan	China
Anna Ushenina	Ukraine
Mariya Muzychuk	Ukraine
Hou Yifan	China
Tan Zhongyi	China
Ju Wenjun	China

Chart 3 | The rise in the number of GMs over time in China and India

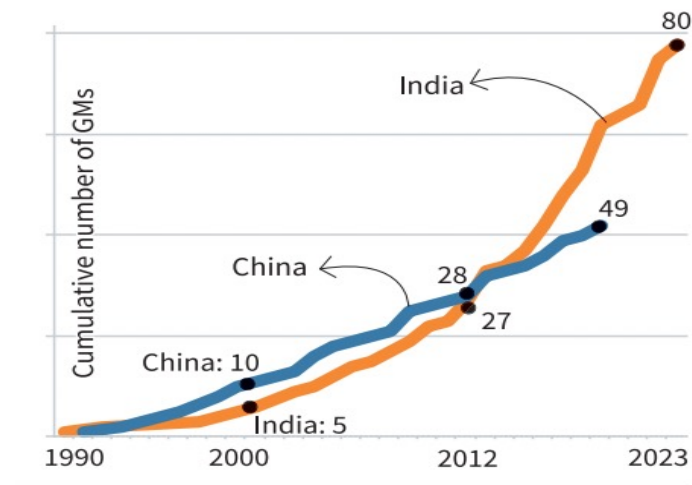


Table 4 | India has the second highest average rating for its Top 10 players, behind the U.S. India has five super GMs (ELO above 2700)

Top ten	Nation	Avg. rating of top 10 active GMs	Total GMs	GMs above 2,700 (active)
1	U.S.	2,728	106	8
2	India	2,691	80	5
3	Russia	2,688	191	5
4	China	2,684	49	4
5	Ukraine	2,659	88	1
6	Azerbaijan	2,649	29	2
7	France	2,642	55	2
8	Armenia	2,634	38	0
9	Spain	2,630	57	1
10	Germany	2,629	96	1

Adv. No. J.B.V. 16 (2023-24) EXECUTIVE ENGINEER (WB)-I

India leads in 'laundering' Russian oil and selling to Europe: report

Price cap coalition countries have increased imports of refined oil products from India, China, Turkey, UAE and Singapore that have become the largest importers of Russian crude, says Finland-based group, thereby circumventing the sanctions

Suhasini Haidar
NEW DELHI

India leads five countries named as the "Laundromat" countries that buy Russian oil and sell processed products to European countries, thus side-stepping European sanctions against Russia, says a Finland-based group that cited the latest figures for the first quarter of 2023.

The report, released last week, coincides with the latest data from analytics firm Kpler and a report by international agency Bloomberg that showed how European Union (EU) countries, which are all part of the "price cap coalition" that bars trade and insurance for any oil purchased above a certain price from Russia, are in fact increasing their intake of oil from India, China, Turkey, the UAE and Singapore.

The report also accused



Among the 'laundromat' countries, India remained the highest global consumer of seaborne Russian crude in April. REUTERS

Indian sellers and European buyers of possibly "circumventing sanctions" by selling crude products from a refinery in Gujarat that is co-owned by Russian oil company Rosneft.

"Price cap coalition countries have increased imports of refined oil products from countries that have become the largest importers of Russian crude. This is a major loophole that can undermine the impact of the sanctions on Russia," said the report,

titled *Laundromat: How the price cap coalition whitewashes Russian oil in third countries*, by the Centre for Research on Energy and Clean Air (CREA).

European countries are simply substituting oil products they previously bought directly from Russia, with the same products now "whitewashed" in third countries and bought from them at a premium.

Of the so-called "laundromat" countries, India,

which in April remained the highest global consumer of seaborne Russian crude for a fifth month, is ahead of all others in the export of crude products to the coalition countries, exporting nearly 3.8 million tonnes of oil products to price cap coalition countries, which include the EU, G-7 countries, Australia and Japan.

India's exports of diesel, for example, tripled to about 1,60,000 barrels per day in March 2023, compared with the period before the Russian war in Ukraine, making diesel one of the largest components of India-EU trade at present.

The CREA report said the most oil products were being exported from two ports in Gujarat: the Sikka port that services the Reliance-owned Jamnagar refinery, and the Vadinar port that ships oil products from Nayara energies, which is partly owned (49.13%) by Rosneft, alleg-

ing that this could constitute "circumventing sanctions" imposed unilaterally by the U.S. and Europe.

"The port is of great value to the Russian oil industry, especially Rosneft," the report said.

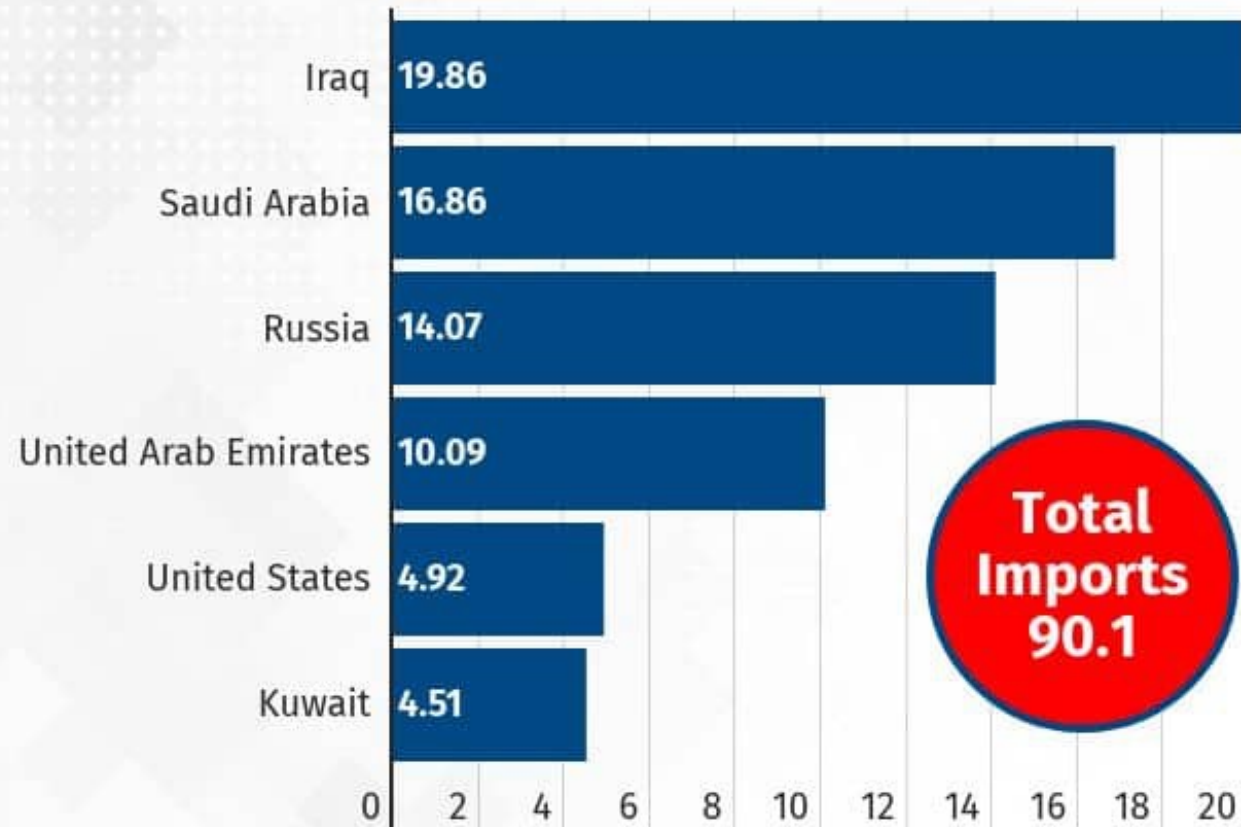
"This situation where a Russian company owns an oil refinery in a third country highlights a possible way of circumventing sanctions. Rosneft or other oil companies from Russia are free to transport crude oil to Vadinar, where it is refined and can be exported to the price cap coalition countries as oil products from India," the report concluded, recommending that a "place of origin" certification should accompany oil products sold to Europe.

Neither the Petroleum Ministry nor the External Affairs Ministry responded to a request for a comment on the report, or the categorisation of India as an "oil launderer" for Russia.

SOARING OIL IMPORTS FROM RUSSIA



PETROLEUM CRUDE IMPORTS IN APR-SEP 2022



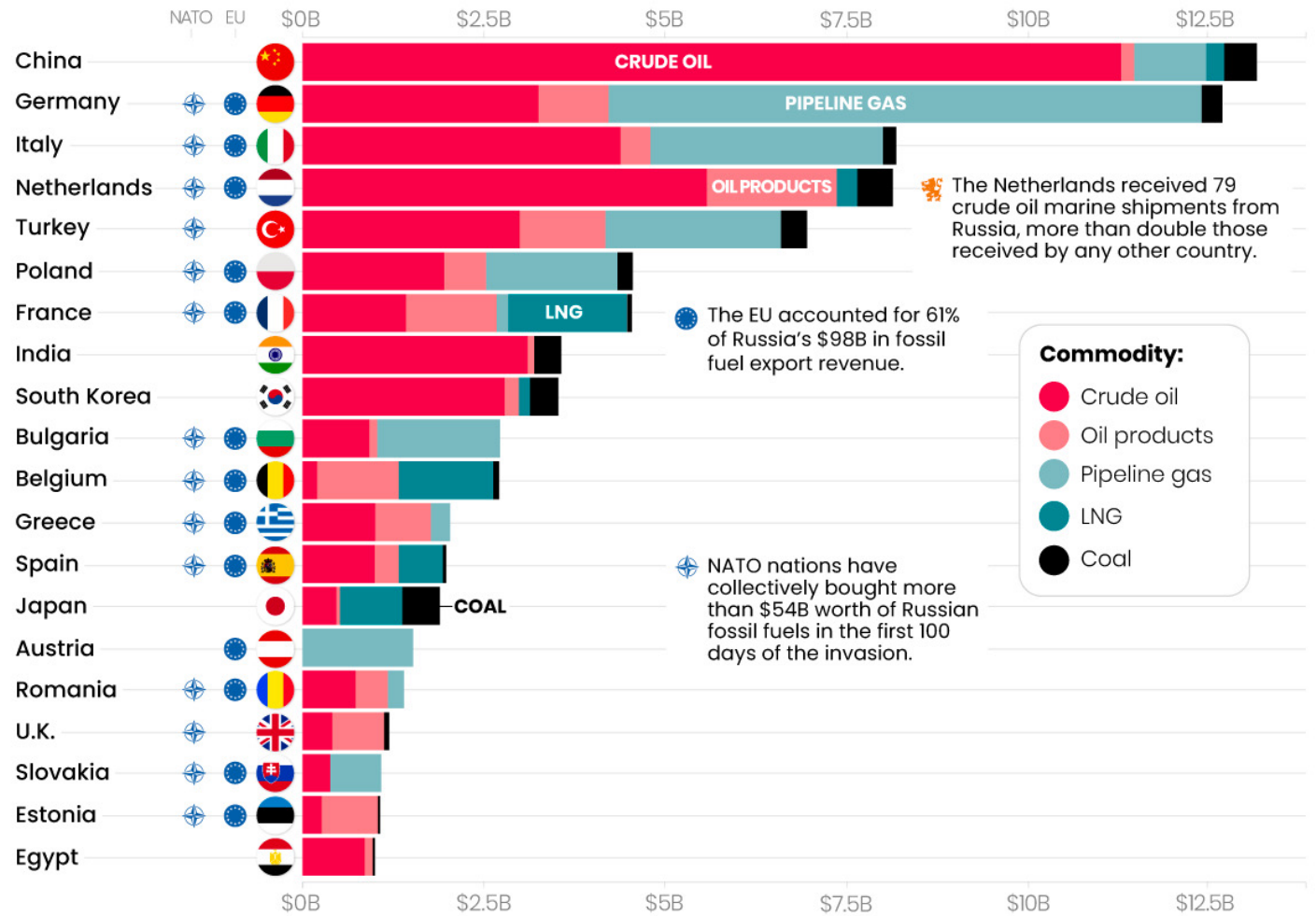
Figs in \$ billion; Source: Commerce ministry





Who's Still Buying Fossil Fuels From Russia?

IMPORTS IN FIRST 100 DAYS OF THE INVASION: FEB 24TH - JUNE 4TH



Source: Centre for Research on Energy and Clean Air

IN BRIEF



Success of an initiative lies on its impact upon people: Modi

The success of any initiative is measured by its impact upon people, Prime Minister Narendra Modi said, responding to a youth from Jammu and Kashmir, who hailed the Yuva Sangam youth exchange programme after visiting Assam and experienced its diversity and culture. Narakat Choudhary wrote to the Prime Minister on April 5, thanking him for the opportunity to travel to Assam under the Yuva Sangam initiative. In response, the Prime Minister expressed hope that Mr. Choudhary would continue undertaking more journeys in the future. Mr. Choudhary (22) was elated on receiving the Prime Minister's response. ■

Daily new COVID-19 cases fall to 4,282; positivity rate 4.92%

The number of new COVID-19 cases fell to 4,282 in the 24 hours till 8 a.m. on Monday, the Union Health and Family Welfare Ministry said. This is a dip of 1,392 from Sunday's figure of 5,674. As many as 7,171 cases were recorded on Saturday. The daily positivity rate now stands at 4.92%, while the weekly positivity rate is at 4%. As many as 6,037 patients recovered from the disease in the 24 hours, increasing the total count of recoveries to 4,43,70,878. The recovery rate of the country is 98.71%. A total of 92,67 crore COVID-19 tests were conducted in the country so far, with 87,038 tests undertaken in the 24 hours, the Health Ministry said. ■

Rajya Sabha Chairman calls CPI(M) MP over article

Rajya Sabha Chairman Jagdeep Dhankhar has called CPI(M) MP John Brittas to discuss an article the latter wrote for a newspaper, critical of Home Minister Amit Shah. In the piece, titled *Perils of Propaganda*, Mr. Brittas accused the Home Minister of making negative remarks against Kerala, adding that this displays a "distaste" for a state where the BJP has "miserably failed in garnering electoral gains through its usual set of divisive tricks and polarising poll strategies". On March 6, the MP got a letter asking him to meet the Vice-President on a complaint by Sudheer, general secretary of the BJP's Kerala unit. ■

India's power consumption at 130.57 billion units in April

The country's power consumption dipped for the second month in a row by 1.1% to 130.57 billion units (bu) in April this year, as widespread rain in the country prompted people to use fewer cooling appliances than during the previous year. In the year ago period, power consumption stood at 132.02 bu, higher than 117.08 bu in April 2021, according to government data. The consumption was also affected in March this year due to rain in the country. It dipped to 126.82 bu during the month under review from 128.47 bu a year ago. Experts said that had there been no rain in March as well as April, power consumption would have shown a good growth in the two months. ■

Japan to train 1,000 Indian engineers for bullet train project

The Hindu Bureau
NEW DELHI

As many as 1,000 Indian engineers will be trained by Japanese experts before starting work on the high-speed rail track system for the Mumbai-Ahmedabad High Speed Rail (MAHSR) corridor.

The bullet-train track being built between Mumbai and Ahmedabad will use the ballast-less slab track system (popularly known as J Slab track system) as used in the Japanese Shinkansen high-speed railways.

The Japanese track system is unique in the world and the technicians require a high level of skill to lay it.

"The track is the most important component of the HSR system and needs to be laid with very high degree of accuracy," said a spokesperson of National High Speed Rail Corporation Ltd. (NHSRCL).

There will be 15 different courses covering all as-



The technicians require very high degree of skill to lay the tracks.

pects of track work.

"Up to 20 Japanese experts will impart intensive training to the Indian engineers, supervisors and technicians and certify their skills. This will also help in transfer of technology" of Japanese HSR track system," said Rajendra Prasad, Managing Director, NHSRCL.

The training will be imparted by the JARTS, a non-profit organisation in Japan, nominated by JICA, which is the finance agency of the MAHSR project.



T. S. Sivagnanam

Justice T.S. Sivagnanam is new CJ of Calcutta HC

The Hindu Bureau
NEW DELHI

Justice T.S. Sivagnanam was, on Monday, appointed the Chief Justice of the Calcutta High Court.

The Department of Justice in the Union Law Ministry issued a notification announcing the appointment.

The Supreme Court Collegium recommended his name in February this year as the then Chief Justice, Justice Prakash Srivastava, was to retire from office.

Justice Sivagnanam originally belongs to the Madras High Court.

He was, so far, the senior-most judge after the Chief Justice in the Calcutta High Court.

Dinakar Peri

NEW DELHI

In a step further in the expanding India-ASEAN (Association of South East Asian Nations) military cooperation, the maiden ASEAN-India Maritime Exercise (AIME) is set to begin on Tuesday.

The training, with war games in South China Sea.

The Navy chief, Admiral R. Hari Kumar, is in Singapore for the exercise as well as to take part in the International Maritime Defence Exhibition (IMDEX-23) and International Maritime Security Conference (IMSC) being hosted by Singapore.

In separate developments, Defence Minister Rajnath Singh arrived in the Maldives on a three-day visit, while the Air Force chief, while the Air Force Chief, Air Chief Marshal V.R. Chaudhary, embarked on a four-day visit to Sri Lanka.

Indian Naval Ships *Satpura* and *Delhi* with Rear Admiral Gurcharan Singh, the Flag Officer Commanding Eastern Fleet, will arrive at Singapore on May 1

to participate in the inaugural AIME-2023, scheduled from May 2-8, the Navy said in a statement.

"AIME-2023 will provide an opportunity for Indian Navy and ASEAN navies to work together closely and conduct seamless operations in the maritime domain," it added.

The 'Harbour Phase' of the exercise is scheduled to be held at Changi Naval Base from May 2 to 4 and 'Sea Phase' from May 7 to 8 in the South China Sea, the Navy said.

The ships, during their port call at Singapore, will also participate in IMDEX-23 and IMSC, it added.

Another batch of 186 Indians back home from Sudan

Total number of Indians brought back home now stands at 2,140, according to official data; 'Operation Kaveri' to evacuate citizens stranded in violence-hit Sudan in progress, says Ministry

The Hindu Bureau
NEW DELHI

India on Monday brought back home another batch of 186 people under 'Operation Kaveri' that was launched a week ago to evacuate Indians stranded in violence-hit Sudan.

"Operation Kaveri continues to bring Indians back home. Flight carrying 186 passengers touched down in Kochi," External Affairs Ministry spokesperson Arindam Bagchi tweeted.

On Sunday, 229 Indians arrived in Bengaluru, while 365 people reached New Delhi from Jeddah, while India has set up a transit camp for the evacuees. The first batch of 360 evacuees returned to New Delhi on a commercial plane on April 26.

The second batch of 246 Indian evacuees arrived in Mumbai on a C-17 Globemaster aircraft of the Indian Air Force on Thursday.

Under 'Operation Kaveri', India has been taking its citizens on buses from the conflict zones of Khartoum and other troubled areas to Port Sudan from where they are being taken to the Saudi Arabian city of Jeddah on Indian Air Force-



Homecoming: Indian nationals, evacuated from violence-hit Sudan under 'Operation Kaveri', upon their arrival in Kochi on Monday. ■

The Indians were brought back home from the Saudi Arabian city of Jeddah where India has set up a transit camp for the evacuees.

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Inaugural ASEAN-India maritime exercise in South China Sea from today



Indian naval ships *Satpura* and *Delhi* arrive to participate in the ASEAN-India Maritime Exercise in Singapore on Monday. ■

to participate in the inaugural AIME-2023, scheduled from May 2-8, the Navy said in a statement.

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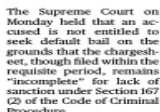
The inaugural edition of the naval and maritime defence event IMDEX was held in 1997 and has since been expanding year on year. There are about 50 delegations this year, it has been learnt.

Mr. Singh reached Male on a three-day visit, the first by an Indian Defence Minister to the Maldives in 11 years, according to the Indian High Commission.

India and the Maldives are working closely to address shared challenges, including maritime security, terrorism, radicalisation, organised crime and natural disasters, the Ministry said.

If chargesheet is filed on time, no question of default bail: SC

The Hindu Bureau
NEW DELHI



The Supreme Court on Monday held that an accused is not entitled to seek default bail on the grounds that the chargesheet, though filed within the requisite period, remains "incomplete".

Justice J.B. Pardiwala observed that the lack of sanction under Section 167(2) of the Code of Criminal Procedure.

"We find no merit in the principal argument that a chargesheet filed without sanction is an incomplete chargesheet," he said.

Once the chargesheet has been filed within the stipulated time, the question of grant of statutory/default bail does not arise. Whether cognisable and non-cognisable offences have been taken or not taken is not relevant for the purpose of committal proceedings under Section 167.

The mere filing of the chargesheet is sufficient," a Bench of Chief Justice of India D.Y. Chandrachud and Justice J.B. Pardiwala observed in a judgement.

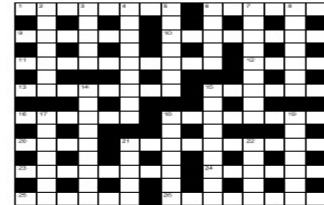
The top court said obtaining sanction from the competent authorities was not part of the investigation.

The mere filing of the chargesheet is sufficient," a Bench of Chief Justice of India D.Y. Chandrachud and Justice J.B. Pardiwala observed in a judgement.

The top court said obtaining sanction from the competent authorities was not part of the investigation.

TH CROSSWORD 13854

(Set by Karanvir)

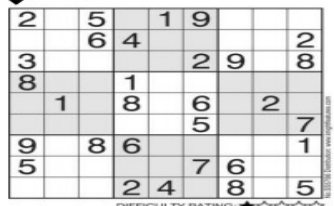


Across

1. Take arabica, amica petitions heartily to begin with (2,5)
4. Finally, you must breathe the air (the maw) (5)
5. Can iterating part cover back wall of the eyeball? (6)
10. Mummy and daddy take drug and son cuddles date (4,4)
11. Unusually India hunts for native language (10)

12. Warning - No entry for Ladies! (4)
13. Figure out home bird leaving base for ocean (8)
15. Most inhuman Conservative leaves first (6)
16. Special entrance fee allows right for leisurely walk (6)
18. Upset barber will do this (8)
20. Egyptian goddess' top altered or unaltered? (2,2)
21. Vigilant advice to a ballet dancer maybe (2,4,4)
23. Kid is stuck inside handrail (8)
24. Abrupt aimless shot in messages (8)
25. Wasteland is extremely desolate and sterile, right? (6)
26. Resignation of Bond (New) in progress (8)
- Down
2. Ugly mark from terrible mishap (7)
3. Diana may be a nymph (5)
6. Inevitable fungi to get promotions from agency (9)
7. Card game for spinsters? (3,4)
8. System of medicine in complete agreement to kill small mouse (5)
9. Stitch by English doctor on passenger having heart block (9)
10. Low-cut garment, top off, take off (7)
14. Rubbish illicit liquor (9)
15. Obstetrician's treatment on short term primarily and most doubtful (9)
17. One who gives evidence in trial gets worried? (7)
18. Excursion after nightfall? (3,4)
19. Achilles lost interest in rebellion to defeat decisively (7)
22. Frenzied technocrat leaves crumbling rack with the group (5)
23. Kid from the bad seed ignored occasionally (5)

SUDOKU



Solution to previous puzzle



Solution to yesterday's Sudoku



FAITH

Vidura warns of disaster

In a game of dice, Yudhishtira plays against Sakuni and loses one thing after another which he stakes. Vidura hopes to stop the game even at this stage, said Kidambi Narayanan, in a discourse. So he tells Dhritrashtra that there are few in this world who tell us what is good for us.

Vidura has been advising the king and his son Duryodhana for a long time, but to no avail. He asks Dhritrashtra to think calmly about what is happening. If one is calm and composed, one can think clearly. Vidura reassures Dhritrashtra that he has the welfare of the Kauravas in mind, when he warns them. But the game proceeds, and having lost everything he owns, finally Yudhishtira stakes Draupadi and loses her too.

Duryodhana then asks Vidura to go and fetch Draupadi, for wants her to sweep his palace and be his servant. Vidura points out to Duryodhana what a dangerous path he is taking. Vidura says, "A foolish man may not even be aware of the dangers of tying a rope around his neck and tightening it. But if he does such a thing, he is sure to die. You, Duryodhana, are in a similar position. You are standing on the edge of a deep pit, and you could fall in any minute. You are like a deer hunted by tigers. If you continue to behave in this fashion, the Pandavas, who are like tigers, will hunt you down. You must never anger a ferocious animal like a tiger. There was once a goat, which swallowed a knife that was among the leaves the animal was chewing. The knife was stuck in its throat. The only way to get the knife out was to cut off the goat's head. You are moving to a situation, where the only solution for you will be death, as in the case of the goat."

Inaugural ASEAN-India maritime exercise in South China Sea from today

Dinakar Peri

NEW DELHI

In a step further in the expanding India-ASEAN (Association of South East Asian Nations) military cooperation, the maiden ASEAN-India Maritime Exercise (AIME) is set to begin on Tuesday, with war games in South China Sea.

The Navy chief, Admiral R. Hari Kumar, is in Singapore for the exercise as well as to take part in the International Maritime Defence Exhibition (IMDEX-23) and International Maritime Security Conference (IMSC) being hosted by Singapore.

In separate developments, Defence Minister Rajnath Singh arrived in the Maldives on a three-day visit, while the Air Force chief, Air Chief Marshal V.R. Chaudhari, embarked on a four-day visit to Sri Lanka.

Indian Naval Ships *Satpura* and *Delhi* with Rear Admiral Gurcharan Singh, the Flag Officer Commanding-Eastern Fleet "... arrived at Singapore on May 1



Indian naval ships *Satpura* and *Delhi* arrive to participate in the ASEAN-India Maritime Exercise in Singapore on Monday. PTI

to participate in the inaugural AIME-2023" scheduled from May 2-8, the Navy said in a statement.

"AIME-2023 will provide an opportunity for Indian Navy and ASEAN navies to work together closely and conduct seamless operations in the maritime domain," it added.

The 'Harbour Phase' of the exercise is scheduled to be held at Changi Naval Base from May 2 to 4 and 'Sea Phase' from May 7 to 8 in the South China Sea, the Navy said.

The ships, during their port call at Singapore, will also participate in IMDEX-23 and IMSC, it added.

The inaugural edition of the naval and maritime defence event IMDEX was held in 1997 and has since been expanding year on year. There are about 50 delegations this year, it has been learnt.

Mr. Singh reached Male on a three-day visit, the first by an Indian Defence Minister to the Maldives in 11 years, according to the Indian High Commission.

India and the Maldives are working closely to address shared challenges, including maritime security, terrorism, radicalisation, organised crime and natural disasters, the Ministry said.



Image: ASEAN



Member states shown in dark green.

Secretariat	Jakarta ^[a]  6°14.3353'S 106°47.9554'E
Largest city	Jakarta  6°11.6962'S 106°49.3837'E
Working language	English ^[6]
Official languages of contracting states	Burmese · Chinese · English · Filipino · French · Indonesian · Khmer · Lao · Malay · Tamil · Thai · Vietnamese
Membership	10 states [show]
Leaders	<ul style="list-style-type: none">• Secretary-General• Chairmanship of ASEAN Kao Kim Hourn Indonesia

Membership	10 states [show]
Leaders	<ul style="list-style-type: none">• Secretary-General Kao Kim Hourn• Chairmanship of ASEAN Indonesia
Establishment	<ul style="list-style-type: none">• Bangkok Declaration 8 August 1967 (55 years ago)• Charter 16 December 2008 (14 years ago)
Area	<ul style="list-style-type: none">• Total 4,522,518^[7] km² (1,746,154 sq mi)
Population	<ul style="list-style-type: none">• 2021 estimate 667,393,019^[8]• Density 144/km² (373.0/sq mi)
GDP (PPP)	2022 estimate <ul style="list-style-type: none">• Total ▲ \$10.205 trillion^[8]• Per capita ▲ \$15,157^[8]
GDP (nominal)	2022 estimate <ul style="list-style-type: none">• Total ▲ \$3.619 trillion^[8]• Per capita ▲ \$5,376^[8]
HDI (2021)	▲ 0.726 ^[b] high

There has been increased cultural cooperation through following ways

o Buddhism, Yoga

o Revival of Nalanda University,

o Chairs of Indian studies in universities (Singapore, Malaysia, Indonesia)

o Indian Cultural Centres (Jakarta, Bali, Bangkok, Kuala Lumpur, Suva, Lautoka), and

o joint restoration of monuments (Cambodia, Vietnam, Laos).

-
- **Economic Cooperation:** ASEAN is India's **4th largest trading partner**. India signed an **FTA ([Free Trade Agreement](#))** in goods in 2009 and an FTA in services and investments in 2014 with ASEAN.
 - ASEAN and India have also adopted a joint statement announcing the elevation of the existing **[Strategic Partnership to Comprehensive Strategic Partnership](#)**.
 - आर्थिक सहयोग: आसियान भारत का चौथा सबसे बड़ा व्यापारिक भागीदार है। भारत ने 2009 में माल में एक एफटीए (मुक्त व्यापार समझौता) और आसियान के साथ 2014 में सेवाओं और निवेश में एक एफटीए पर हस्ताक्षर किए।
 - आसियान और भारत ने व्यापक सामरिक साझेदारी के लिए मौजूदा सामरिक साझेदारी की उन्नति की घोषणा करते हुए एक संयुक्त वक्तव्य भी अपनाया है।

- **Connectivity:** India has been undertaking several connectivity projects like [India-Myanmar-Thailand Trilateral \(IMT\) Highway](#) and the [Kaladan Multimodal Project](#).
- कनेक्टिविटी: भारत भारत-म्यांमार-थाईलैंड त्रिपक्षीय (आईएमटी) राजमार्ग और कलादान मल्टीमॉडल परियोजना जैसी कई कनेक्टिविटी परियोजनाएं चला रहा है।

- **Consider the following countries: (2018)**

1. Australia
2. Canada
3. China
4. India
5. Japan
6. USA

- **Which of the above are among the 'free-trade partners' of ASEAN?**

- (a) 1, 2, 4 and 5
- (b) 3, 4, 5 and 6
- (c) 1, 3, 4 and 5
- (d) 2, 3, 4 and 6

The term 'Regional Comprehensive Economic Partnership' often appears in the news in the context of the affairs of a group of countries known as (2016)

- (a) G20**
- (b) ASEAN**
- (c) SCO**
- (d) SAARC**

IN BRIEF

India's power use dips 1.1% to 130.57 billion units in April

India's power consumption dipped for the second month in a row by 1.1% to 130.57 billion units in April, as widespread rains prompted people to use fewer cooling appliances. Power consumption was also affected in March due to widespread rains. However, experts are hopeful that power consumption and demand would grow from May following further improvement in economic activities as well as an increase in temperature during this summer season. ■

Jaiprakash Associates defaults on ₹4,161-cr. loans on March 31

Crisis-hit Jaypee Group's flagship firm Jaiprakash Associates Ltd. (JAL) has defaulted on loans of ₹4,161 crore, including principal and interest. "Total borrowing (including interest) is ₹29,396 crore, repayable by 2037, against which only ₹4,161 crore is overdue as on March 31," JAL said in a filing. Recently, JAL and its group firms announced the sale of its balance sheet assets to Dalmia Bharat at an enterprise value of ₹5,666 crore as part of its strategy to reduce debt. ■

KKR to invest \$250 million more in Serenica Renewables

Serenica Renewables said leading global investment firm KKR will invest an additional \$250 million in the company. In November, KKR had invested \$400 million to support the company's efforts to achieve 4,000 MW of installed renewable energy capacity. "This investment will enable us to further accelerate large-scale decarbonisation of the power-generating commercial and industrial segment," said Pratik Agarwal, Director, Serenica Renewables. ■

Commercial LPG price cut, refill cheaper by ₹171

The Hindu Bureau
HYDERABAD

State-owned oil marketing companies Indian Oil, Hindustan Petroleum and Bharat Petroleum reduced the prices of 19-kg commercial LPG cylinder by more than ₹171, but left prices of domestic refills unchanged. It was the second consecutive month price was being revised downward, in a sign of softening international product prices. Yet, the two reductions were still not enough to offset the steep, more-than-₹350 increase effected on March 1 in the price of the cylinders meant for use by commercial establishments, primarily eateries, restaurants and tea stalls. ■

Retail sector to lead hiring of women with STEM qualifications

The Hindu Bureau
BENGALURU

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Trade pact lifts India's FY23 exports to UAE to \$31.3 bn

The Hindu Bureau
NEW DELHI

Exports from India to the UAE have grown by almost 12% in 2022-23 to hit \$31.3 billion, more than double the 5.3% growth in India's overall exports, following the implementation of the bilateral trade pact (CEPA) last May, the Commerce Ministry said on Monday. "During the CEPA implementation period (May 2022 to March 2023), bilateral trade increased from \$67.5 billion a year earlier to \$76.9 billion — an annual increase of 14%," Commerce Secretary Sunil Barthwal said. While oil continues to dominate trade between

Sunil Barthwal

the two nations, India's automotive exports to the UAE jumped 42% while imports of aircraft parts from the Emirates surged more than 50-fold — from a mere \$7.9 billion — an annual increase of 14%," Commerce Secretary Sunil Barthwal said. While oil continues to dominate trade between

Year-end compliances lift April GST revenue to record ₹1.87 lakh crore

Revenue from goods imports declined 4.5% even as domestic transactions yielded 16% more taxes: ICRA chief economist Aditi Nayar expects a normalising base and cooling inflation to moderate growth in GST revenue in the coming quarter

Vikas Dhoot
NEW DELHI

India's gross GST revenue hit a record high in April at ₹1,87,035 crore, 12% higher than the same month last year which had clocked the previous highest tax tally of ₹1,67 lakh crore.

GST revenue from domestic transactions carried out during March, including import of services, grew at a sharper 16% pace year-on-year in April, accelerating from the 14% recorded a month earlier.

The Hindu Bureau
NEW DELHI

India's manufacturing sector saw a new order and output record their strong growth so far in 2022 during April, as per the survey-based S&P Global India Manufacturing Purchasing Managers' Index (PMI), which rose to 57.2 from 56.4 in March. Overall sentiment about prospects for a year ahead improved from March's eight-month low, as manufacturers gained confidence that volumes will rise going forward. New orders and output rose at the quickest

Scaling new highs

Monthly GST revenue hit an all-time high in April on the back of year-end compliances and official GST audits

■ GST revenue from domestic transactions grew at a faster pace than overall revenue growth

■ Revenue from goods imports declined, probably suggesting cooling domestic demand

■ April 20 marked the highest-ever monthly GST collection with ₹68,228 crore remitted

While the Finance Ministry did not explicitly disclose the revenue growth attributable to goods imports for April, back-of-the-envelope calculations indicate there was a 4.5% decline from last April — the

first contraction in revenue from goods imports in more than a year.

The first three quarters of 2022-23 had recorded the highest-ever growth in GST revenue from goods imports. That growth was more tepid in the two months prior to April — 6% in February and 4% in March, indicating cooling domestic demand.

Maheesh Jaisingh, partner at Deloitte India, said the phenomenal growth in the overall collections was attributable to year-end compliances by taxpayers

months — but only 6% of the surveyed firms raised prices, while 92% left prices unchanged from March. Inflation in input costs accelerated afresh. Cost increases were linked to raw materials, transportation and some other raw materials. "Reflecting a robust and quicker expansion in new orders, production months took another step forward," said Pollyanna De Souza, economic director at S&P Global Market Intelligence. Companies also benefited from relatively mild price pressures, while overall supply-chain conditions

for 2022-23 along with rising economic activity and the official push for GST audits.

April 20 also marked the highest-ever single-day GST collection, the ministry said, with ₹68,228 crore remitted by taxpayers. "GST collections have maintained a healthy 1% to 13% growth in recent months, but a normalising base and some cooling of inflation may moderate the pace of expansion slightly in the coming quarter," said ICRA chief economist Aditi Nayar.

JPMorgan to buy First Republic after govt. auction

Reuters

JPMorgan Chase & Co. said on Monday it will buy most of San Francisco-based First Republic Bank after U.S. regulators seized the troubled bank over the weekend, marking the third major U.S. lender to fail in April, since 1980. JPMorgan will make a payment of \$10.6 billion to the U.S. Federal Deposit Insurance Corp. (FDIC) and entered into loss-sharing agreement with the FDIC on the single family, residential, and commercial loans it bought.



April PV wholesales rise in double digits on SUVs

The Hindu Bureau
MUMBAI

Leading automobile companies reported a double-digit growth in wholesales in April following robust demand for sport utility vehicles (SUVs). However, exports came under pressure on account of adverse global economic situation. Market leader Maruti Suzuki India Ltd.'s local wholesales rose 12.6% YoY to 1,39,519 units. Experts said 8% to 16,971 units. Hyundai Motor India Ltd. (HML) sales to dealers rose 12.9% to 49,701 units, while overseas shipments shrank 30% to 8,500 units.

"This strong growth has been backed by an overwhelming response to the recently launched all-new Hyundai Verna," said Tarun Garg, COO, HML. Tata Motors Ltd.'s domestic wholesales of 47,007 units in April, rose 13% YoY. Suzuki Motorcycle's sales rose 23.3% to 88,731 units. Honda Motorcycle & Scooter India said it sold 3,74,747 units, including exports of 36,458 units in April. The company did not provide figures for the year-earlier period.

Maruti Suzuki India expects chip shortage to ease in Q2

Reuters
BENGALURU

Maruti Suzuki India Ltd. expects some recovery in chip shortages in the second quarter, an executive at the country's top carmaker said on Monday. The shortage, which affected the company's April production, will continue in the current quarter ended June, the executive said. "We are expecting some recovery in Q2, although visibility on semiconductor supply remains limited," Shashank Srivastava, senior executive officer, marketing and sales, said. The auto industry has been struggling with chip shortages and higher raw material prices since the pandemic.

PROCLAMATION REQUIRING THE APPEARANCE OF ACCUSED PERSON

See Section 82 Cr.P.C.
Whereas complaint has been made before me that accused Mithun Kumar, S/o: Chandar Sahni, R/o: H. No. A/18, Gali No. 3, K-2 Colony, Kumar Singh Nagar, Noida, Delhi, has committed (or is suspected to have committed) the offence in case FIR No. 38/1918, U/s 303B Delhi Ex. Act, P.S.: Nihal Vihar, Delhi and it has been returned to a warrant of arrest thereupon issued that the said accused Mithun Kumar cannot be found and whereas it has been shown to my satisfaction that the said accused Mithun Kumar has absconded (or is concealing himself to avoid the service of process),

By Order
Sh. Milan Goyal
Metropolitan Magistrate-03, Room No. 105, Hazari Court, Delhi

DP/444/DO/2023 (Court Matter)

SEARCH OF MISSING

General public is hereby informed that one male, (depicted in the photo), Name: Ramesh, S/o: Bhushwar Yadav, R/o: H.No. 56 Gali No. 12, Thapra Village, Delhi. Age: 18 years has been missing from H.No. 56 Gali No. 12, Thapra Village, Delhi since 28.05.2022 at 03:30 AM In this regard DD No. 52-A, Dated 28.04.2023, has been lodged at P.S. GTB, Enclave, Delhi. His physical description is as under:
Height: 5'2" Feet, Complexion: Shallow, Face: Round, Build: Thin, Wearing: Red Checkered Shirt & Blue Jeans Pant, Hair: Cleaned in last one month. Any person having any information about this missing male, may inform to the following at E-mail: cdg@delhi.gov.in or website: <http://cdg.nic.in> or in Telephone No.: 011-26386338 or 24356441

S.H.O
P.S. G.T.B. Enclave, Delhi
Ph.: 287332987, 950770946

DP/4603/SHD/2023

APPEAL FOR IDENTIFICATION

General public is hereby informed that one person (depicted in the photo) name unknown, residence and family is unknown age about 65 years was found dead at New Kurly Khana, New Kurly, Delhi, Under Phayer Shahdara, Delhi on 11.12.2022. In this regard a writ CO No. 28-A, Dated 11.12.2022 has been lodged at P.S. GTB Enclave, Delhi. The dead body has been preserved GTB Mortuary, Delhi for 72 hours for identification.

His physical description is as under:-
Sex: Male, Age: 65 yrs, approx. Height: 5' 0", Complexion: Wheatish, Face: Round, Build: Thin, Wearing: Sky Blue Pant, Red Shirt, and a Red Cap. Any person having any information or clue about the deceased may kindly inform the undersigned on the following address: telephone numbers:-

SHO
Website: <http://cdg.nic.in>
E-mail: cdg@delhi.gov.in
Ph.: 011-24356338/24356441
Mobile: 7465536031
DP/4603/SHD/2023

PROCLAMATION REQUIRING THE APPEARANCE OF ACCUSED PERSON

See Section 82 Cr.P.C.
Whereas complaint has been made before me that the accused Sameer, S/o: Javed Ali, P/o F-401/17, Desu Office, Radhu Palace, Noida, Delhi, has committed (or is suspected to have committed) the offence in case FIR No. 164/2018, U/s 304/47/411 IPC, registered at P.S., Jagatpur, Delhi, and it has been returned to a warrant of arrest thereupon issued that the said accused Sameer cannot be found and whereas it has been shown to my satisfaction that the said accused Sameer has absconded (or is concealing himself to avoid the service of process),

By Order
Bharat Aggarwal,
Metropolitan Magistrate,
Shahdara, Court No. 48,
Kankarbagh Court, Delhi

DP/4512/SHD/2023 (Court Matter)

SUSPECTED PERSON

General public is hereby informed that one male person (depicted in the photo) Name: Mr. Preetpal Singh, S/o: Unknown, R/o: M/s S.R. Financial Service, (Regd.) 3789/18, Ground Floor, Karol Bagh, New Delhi, Age: Unknown, Wearing: Unknown, who is suspected to be involved in a crime. In this regard a case vide FIR No. 605/2015, U/s 420 IPC dated 16.07.2015 has been registered at P.S. Kaikaji, Delhi. Sincere efforts have been made by local police to trace out information about the person but no clue has come to light so far. Any person having any information or clue about the person may kindly inform to P.S. Kaikaji, Delhi.

SHO
P.S. Kaikaji, Delhi
Ph.: 011-26436607, 8750870920

DP/4498/SE/2023

APPEAL FOR IDENTIFICATION

General public is hereby informed that an unidentified dead body of a male named Unknown, S/o: Unknown, R/o: Unknown was found dead on 09.07.2022 at G.T.B. Hospital, New Delhi, under Phayer Shahdara, Delhi. In this regard DD No. 32-A, Dated 09.07.2022, has been lodged at Police Station, GTB Enclave, Delhi. Identification of unidentified dead body of male is as under:

Name: Unknown, Age: 30 Years, Height: 5'8", Complexion: Shallow, ID Mark: Black Mole Over Right Shoulder, Wearing: Only Wearing Langoti of Two Colour.

If anyone have any information or clue about this male deceased may kindly be inform or undersigned.
SHO
Police Station, GTB Enclave, Delhi
Ph.: 011-2258946, 795036931
DP/4594/SHD/2023

Trade pact lifts India's FY23 exports to UAE to \$31.3 bn

The Hindu Bureau

NEW DELHI

Exports from India to the UAE have grown by almost 12% in 2022-23 to hit \$31.3 billion, more than double the 5.3% growth in India's overall exports, following the implementation of the bilateral trade pact (CEPA) last May, the Commerce Ministry said on Monday.

"During the CEPA Implementation period (May 2022 to March 2023), bilateral trade increased from \$67.5 billion a year earlier to \$76.9 billion - an annual increase of 14%," Commerce Secretary Sunil Barthwal said.

While oil continues to dominate trade between



Sunil Barthwal

the two nations, India's automotive exports to the UAE jumped 42% while imports of aircraft parts from the Emirates surged more than 50-fold - from a mere \$39 million in 2021-22 - to almost \$2 billion last fiscal.

India's imports from the UAE grew 18.8% to \$53.2 billion in 2022-23, faster than the 16.1% increase in

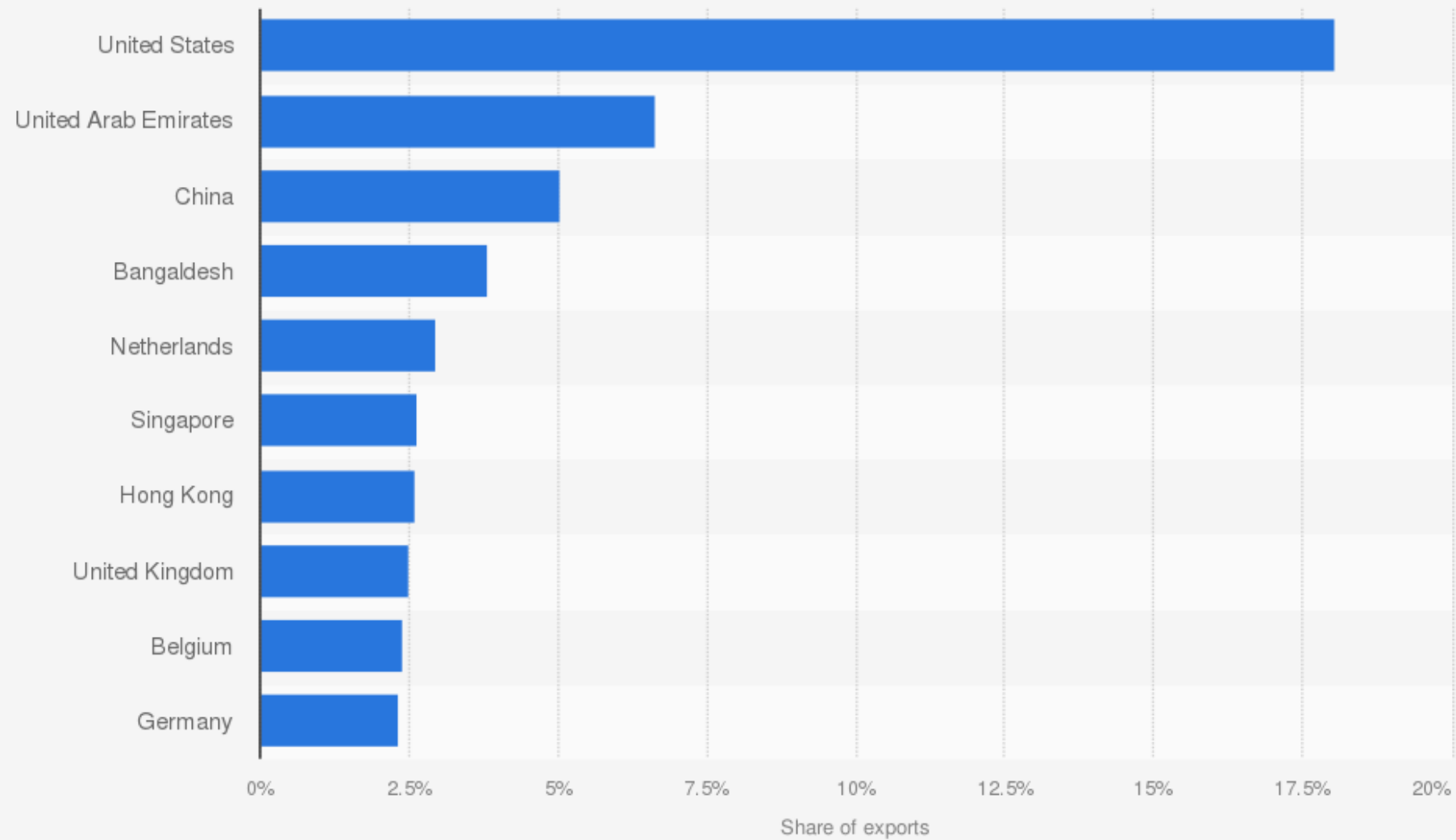
its overall import bill.

Slashing tariffs

In terms of utilisation, the CEPA has already surpassed all free trade pacts entered into by India, barring the one with ASEAN, the ministry said, citing the issuance of over 54,100 certificates of origin to traders since its implementation.

Under the CEPA, the UAE eliminated duties on 97.4% of its tariff lines on goods corresponding to 99% of imports from India. India has obtained immediate duty elimination on more than 80% of its tariff lines corresponding to 90% of India's exports in value terms.

Share of leading destinations for Indian exports in financial year 2022, by destination country



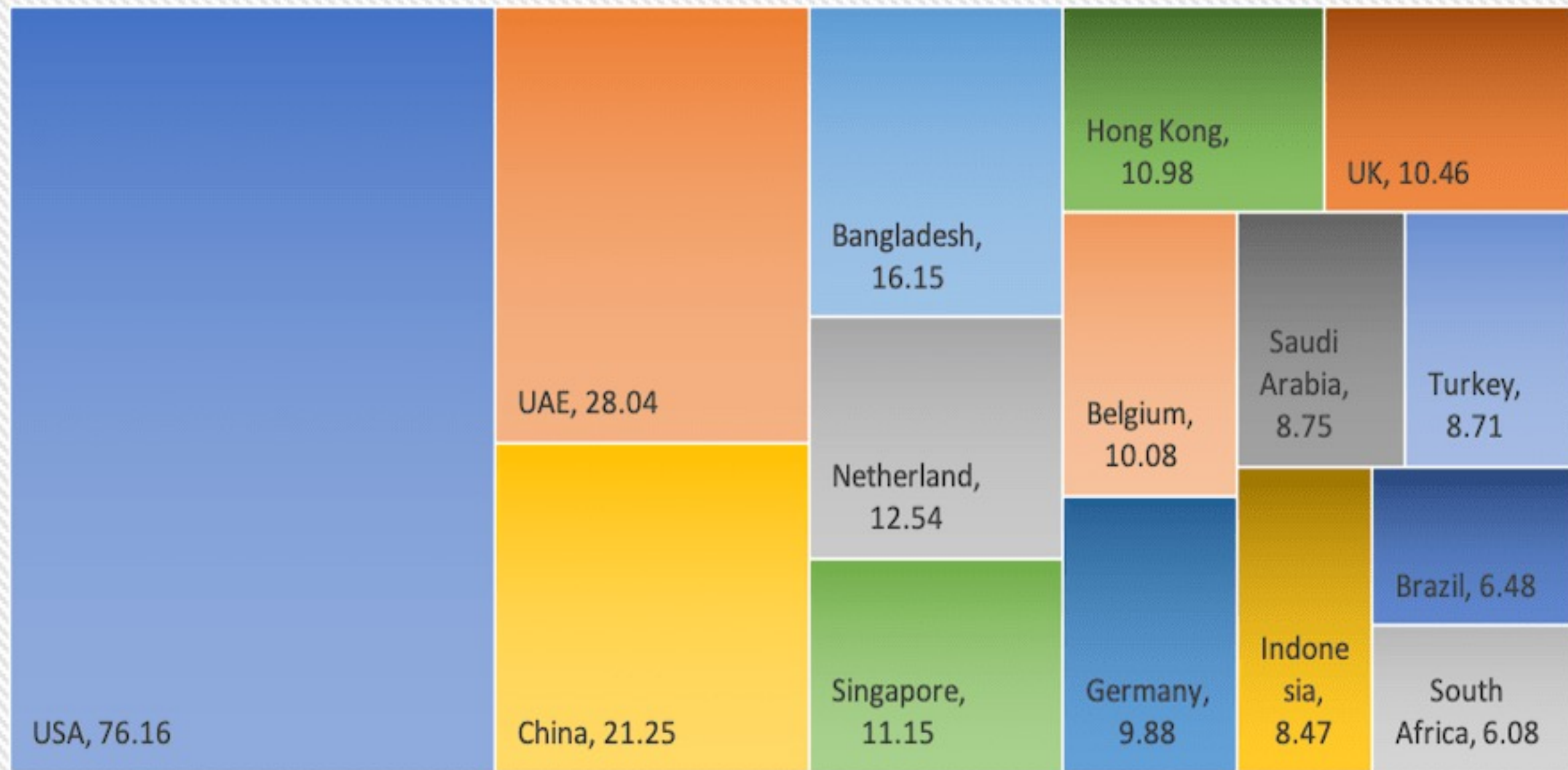
Sources

DGCI&S; Department of Commerce (India)
© Statista 2023

Additional Information:

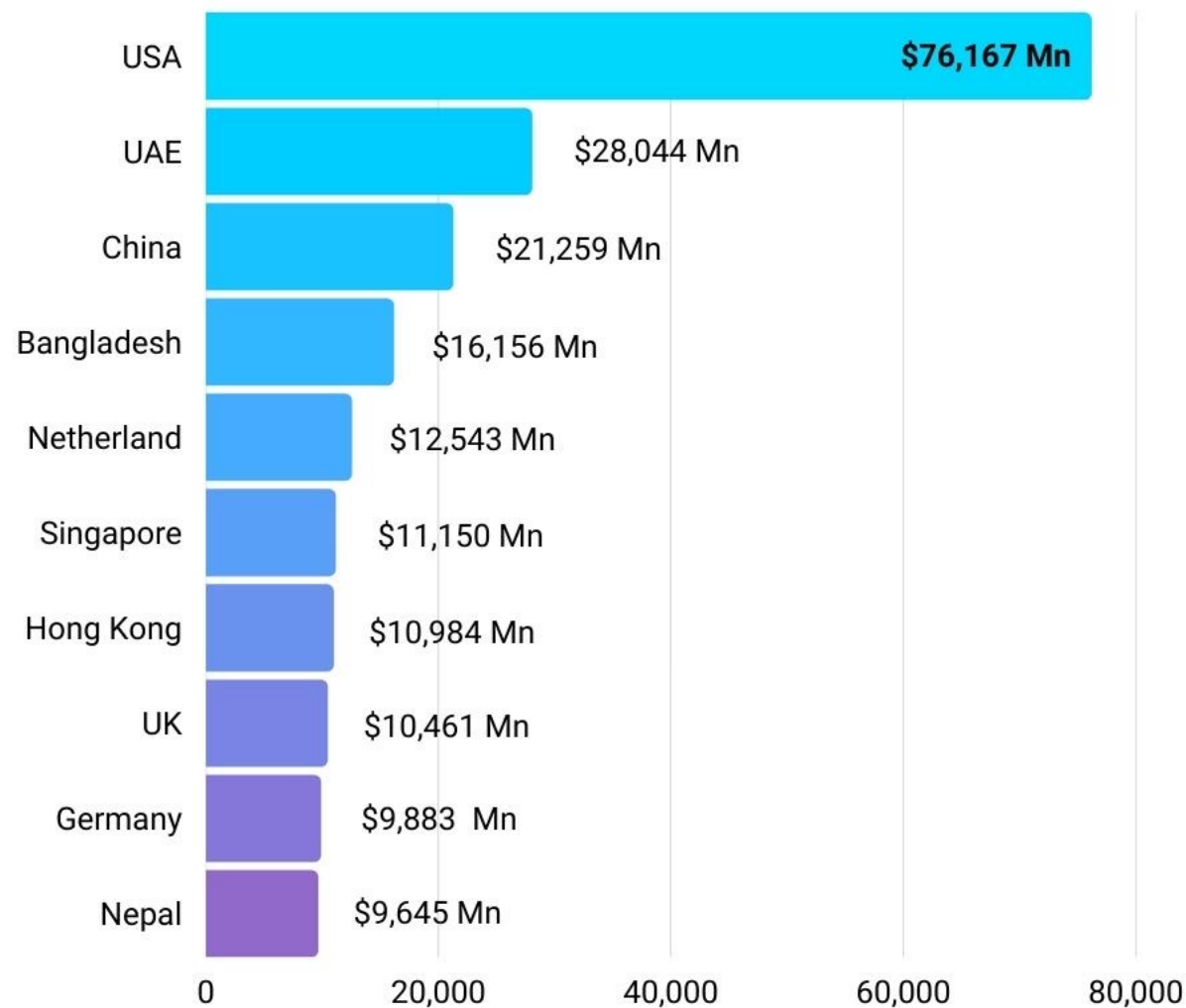
India; DGCI&S; FY 2022

India's Top Export Partners FY 2022, (US\$ Billion)



Which Countries are the Top 10 Export Destinations of India, 2021

Value of Good & Services exported to countries from India in USD Million



Source: tradestat.commerce.gov.in

worldref.co

India's merchandise trade (USD billion)

Global exports

↑ 44.6% y-o-y

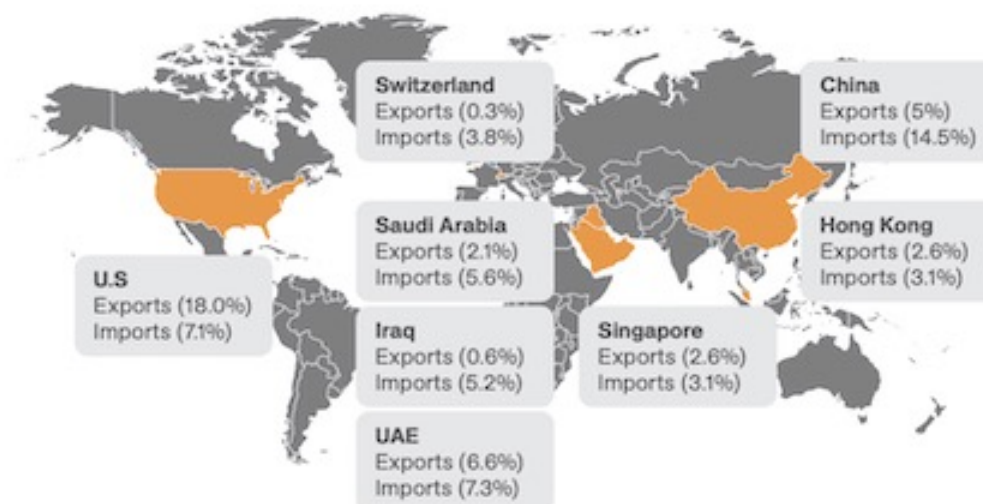
ASEAN exports

↑ 34.4% y-o-y



Export - Top 10 commodities	FY22 (USD billion)	% Growth (y-o-y)
Mineral fuels, oils and products	69.6	158.5
Gems and jewelry	39.3	50.1
Nuclear reactors, boilers, machinery	25.4	34.1
Iron and steel	22.9	88.9
Organic chemicals	22.0	22.8
Vehicles other than railway or tramway	20.2	42.0
Pharmaceutical products	19.8	44.9
Electrical machinery	19.4	0.1
Cereals	12.9	27.4
Cotton	10.8	70.7

Top trading partners (FY22) (% of total imports and exports)



Significant growth across commodities; data indicates that the PLI scheme has benefitted most of the top commodity exports.



- Agriculture and pharma to remain key sectors for driving export momentum
- Export of finished or intermediate goods on the rise. India no longer an exporter of primary goods
- Roll out of District Export Hub and initiatives such as PLI, Remission of Duties and Taxes on Export Products (RoDTEP) to augment growth



Top 5 commodities & countries

The table shows top products that are exported from India and countries they are exported to.

Commodities	Countries exported to	
Engineering goods		USA
Petroleum products		UAE
Gems & jewellery		China
Organic & inorganic chemical		Bangladesh
Drugs & pharmaceuticals		Netherlands

EXPRESS NETWORK



J.T. FORMED TO PROBE LUDHIANA IAS LEAK
SMART CITIES MISSION DEADLINE EXTENDED BY A YEAR
AGES 9, 10

ECONOMY
EAR-END SALES, COMPLIANCE DRIVE SET TO RECORD HIGH **PAGE 17**

Consultations on relook at mediation law at advanced stage, Centre tells SC

EXPRESS NEWS SERVICE
NEW DELHI, MAY 1

THE CENTRE told the Supreme Court Monday that consultations are "re-examining" IPC Section 24A, which deals with sedition, at a "substantially advanced stage", following which proceedings on petitions challenging the provision were adjourned to the second week of August.

A Bench of Chief Justice of India D.Y. Chandrachud and Justice B. Pavlosa recorded Attorney General K Venkatesh's statement in its order adjourning the proceedings.

"Learned Attorney General states that in pursuance of the order dated May 11, 2022, the government has initiated the process of re-examining the provisions of Section 24A of IPC and consultations are at substantially advanced stage. In view of the above statement and on the request of the Attorney General, we direct that these proceedings may be posted in the second week of August," the Bench said. AC Venkatesh said the Bench directed that the process was on and "once it is finalised before it goes to Parliament, probably we will come back to me about that exactly (in the shape of the revision to come)".

As the Bench agreed to adjourn the hearing to know the government's stance, the AG requested that it may be fixed for hearing in August, saying "the government is also very keen to push it as early as possible" and

CONTINUED ON PAGE 4

BUSINESS AS USUAL



By UNNAY

More than 100 writers in half of the world's cars. Current is 100% for the Nano. But...

PAGE 1
ANCHOR

BHINAYA HARI GOVIND
NEW DELHI, MAY 1

WHEN RAM Puri Anand migrated from Sialkot, now in Pakistan, to India during partition, she carried a Bank of India cheque book with her. He would never use it.

The cheque book accompanied her to Pune, where she lived for a while, and then to Delhi, when she moved to the city. "She had a feeling that at some point, her money would be given to her. But obviously, it never came back. She kept the cheque book

CITES POWERS UNDER ARTICLE 142(1)

SC: Can grant divorce on irretrievable breakdown, waive 6-month wait period

Not a matter of right, must consider several factors, use caution: 5-Judge Bench

ANANTHAKRISHNAN G
NEW DELHI, MAY 1

THE SUPREME COURT on Monday held that it can exercise its powers under Article 142(1) of the Constitution to grant divorce on the ground of "irretrievable breakdown" of a marriage — whether it is by mutual consent or even if one of the parties opposes it. It also said that it can waive the six-month waiting pe-

riod mandated under the Hindu Marriage Act, 1955, under certain conditions.

Under Article 142(1), the Supreme Court may pass decrees or orders "as is necessary for doing complete justice in any cause or matter pending before it".

The five-judge Constitution Bench led by Justice S K Kaul, however, said that the "grant of divorce on the ground of irretrievable breakdown of marriage... (is) not a matter of right,

EXPLAINED

SC'S POWER TO DO 'COMPLETE JUSTICE' UNDER ARTICLE 142

Page 15

but a discretion which is to be exercised with great care and caution, keeping in mind several factors ensuring that 'complete justice' is done to both parties".

Similarly, it said that "the waiver (of six-month waiting period) is not to be given on mere asking, but on the court being satisfied beyond doubt that the marriage has shattered beyond repair".

"This discretionary power is to be exercised to do 'complete justice' to the parties, wherein this Court is satisfied that the facts established show that the marriage has completely failed and there is no possibility of its being restored."

CONTINUED ON PAGE 4

Easing the process

RECOGNITION OF "irretrievable breakdown" as a condition for divorce is a departure from the existing law, and lays stress on doing "complete justice" to both parties without apportioning blame, where the court is convinced that the marriage is dead.

BJP promises Uniform Civil Code, NRC in its Karnataka manifesto

AKRAM M
BENGALURU, MAY 1

FOR THE first time in Karnataka, a BJP manifesto has promised to implement the Uniform Civil Code, apart from becoming a National Register of Citizens.

If voted to power, the BJP will bring in the Uniform Civil Code (UCC) "based on the recommendations of a high-level committee to be constituted for the purpose", the manifesto released on Monday by BJP national presi-



BJP president J P Nadra in Bengaluru on Monday. PTI

dent J P Nadra says.

It also promises to introduce the National Register of Citizens (NRC) "to ensure speedy deportation of all illegal immigrants in

CONTINUED ON PAGE 4



The largest tunnel-boring machine ever deployed in India was used for the project. PTI/AN

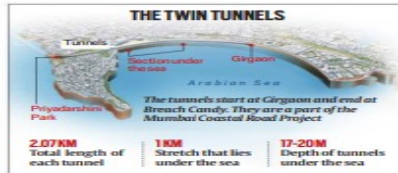
Down under in Mumbai: India's 1st undersea tunnels to open in Nov

PRATIPACHARYA & SWEETY ADILAM
MUMBAI, MAY 1

MORE THAN two years after 35 men and a giant Chinese Tunnel Boring Machine began cutting through complex geological strata, India's first undersea twin tunnels in south Mumbai are close to completion.

Set to open in November, the tunnels start near Girgaon (ahead of Marine Drive), extend north under the Arabian Sea, Girgaon Chowpatty and Malabar Hill, and end at Beach Candy's

CONTINUED ON PAGE 4



The tunnels start at Girgaon and end at Beach Candy. They are a part of the Mumbai Coastal Road Project.

In a Bihar village, four enumerators and a question: 'What's your caste?'

SANTOSH SINGH
NALANDA, MAY 1

"Just kya hai (what's your caste)?" It's 10.30 on a Monday morning and enumerator Kavita Kumari, 30, has just popped the question.

Bihar is in the midst of an unprecedented exercise — the caste-based survey — and in Kalyanbigha village in Bihar's Nalanda district, Kanti and three other enumerators, all teachers

CONTINUED ON PAGE 4



Brothers Raja and Raj Malik during the caste survey in Kalyanbigha. Rangan Kashi

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Photos, cheque book, letters: Memories of Partition take shape in Delhi museum

PAGE 1
ANCHOR

BHINAYA HARI GOVIND
NEW DELHI, MAY 1

WHEN RAM Puri Anand migrated from Sialkot, now in Pakistan, to India during partition, she carried a Bank of India cheque book with her. He would never use it.

The cheque book accompanied her to Pune, where she lived for a while, and then to Delhi, when she moved to the city. "She had a feeling that at some point, her money would be given to her. But obviously, it never came back. She kept the cheque book



One of the galleries of the Partition Museum, reflecting the packed trains that crossed the border. ANS/AN

who kept the cheque book after she died in 1997.

He has now given it to the Partition Museum coming up in Delhi, the second in the country after the one in Amritsar.

The museum — ready for public opening — has been set up at the Dara Shikoh Library within the Kashmiri Gate campus of Ambedkar University in Delhi. It is home to several keepsakes from families that crossed a newly formed border in 1947 — a ration card issued at the Feroze Shah Kotla refugee camp, bed pots, a water pot, a sewing machine.

The building itself is a heritag-structure, retaining parts of its Mughal and colonial past.

CONTINUED ON PAGE 4

From phones to cars, premium segment rakes in the numbers

Lower-end segment across product categories records tepid demand

ANIL SASHI
NEW DELHI, MAY 1

BE IT CARS, phones or even household goods like soaps and toothpaste — sales in the premium segment across product categories have picked up pace, even as the lower end in these product segments struggle with tepid demand and an erosion of purchasing power.

These analysing trends in the market and economists suggest that this may be an indicator of the widening inequality that has marked the post-pandemic recovery process.

For small-car maker Maruti Suzuki, its relatively new Nexa premium sales channel is positioning itself to end the current financial year, 2023-24, as the country's second largest car-maker on a standalone basis, with targeted sales of 6 lakh units, up 62 per cent compared with the previous year. The sales at its entry-level car business, a traditional volume spinner for the carmaker, is, however, projected to stay flat this year.

Hindustan Unilever Ltd, India's largest household goods maker, reported an overall 10 per cent increase in March quarter profit, as it admitted to surging inflation affecting consumer demand as rural areas, where volumes fell over 7 per cent during 2022-23, alongside a pronounced slide in demand

WIDENING DIVIDE

CARS
Maruti Suzuki's premium cars under Nexa to grow 62%. But sales of entry-level cars flat. Tata Motors, Hyundai almost exit entry segment

MOBILES
Sales of premium and ultra premium phones jump. But sales of lower-end phones slide; refurbished phones also see a surge

FMCGs
Sales of biggest FMCG company, Hindustan Unilever, up 10%. But sales in rural areas and among lower income groups slump 7%

from low-income groups. Volume growth in the coming months, according to the company, is contingent on commodity prices softening and consumption habits adapting to higher costs.

Mobile phone shipments also reflect this trend, with the

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Down under in Mumbai: India's 1st undersea tunnels to open in Nov

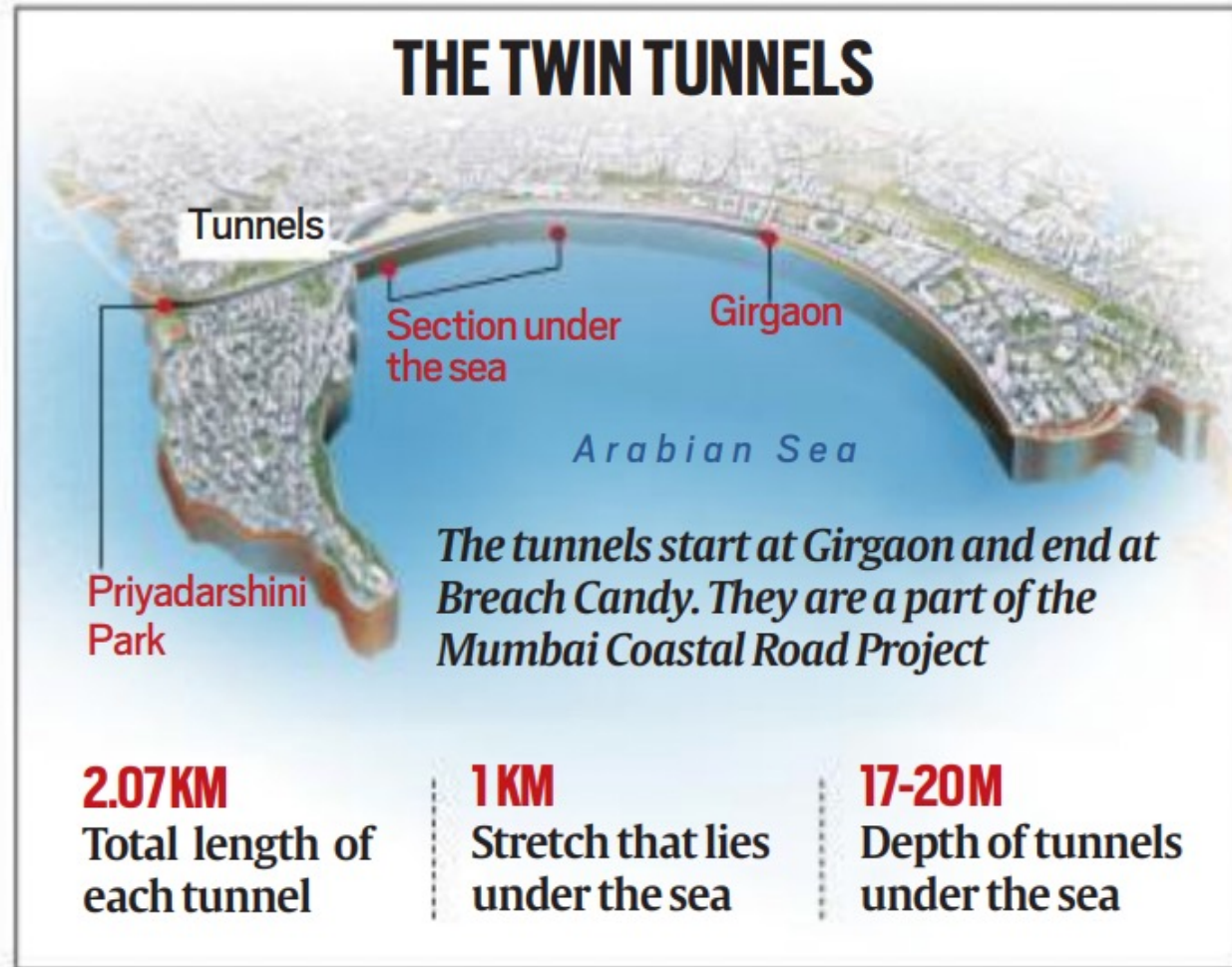
**PRATIP ACHARYA &
SWEETY ADIMULAM**

MUMBAI, MAY 1

MORE THAN two years after 35 men and a giant Chinese Tunnel Boring Machine began cutting through complex geological strata, India's first undersea twin tunnels in south Mumbai are close to completion.

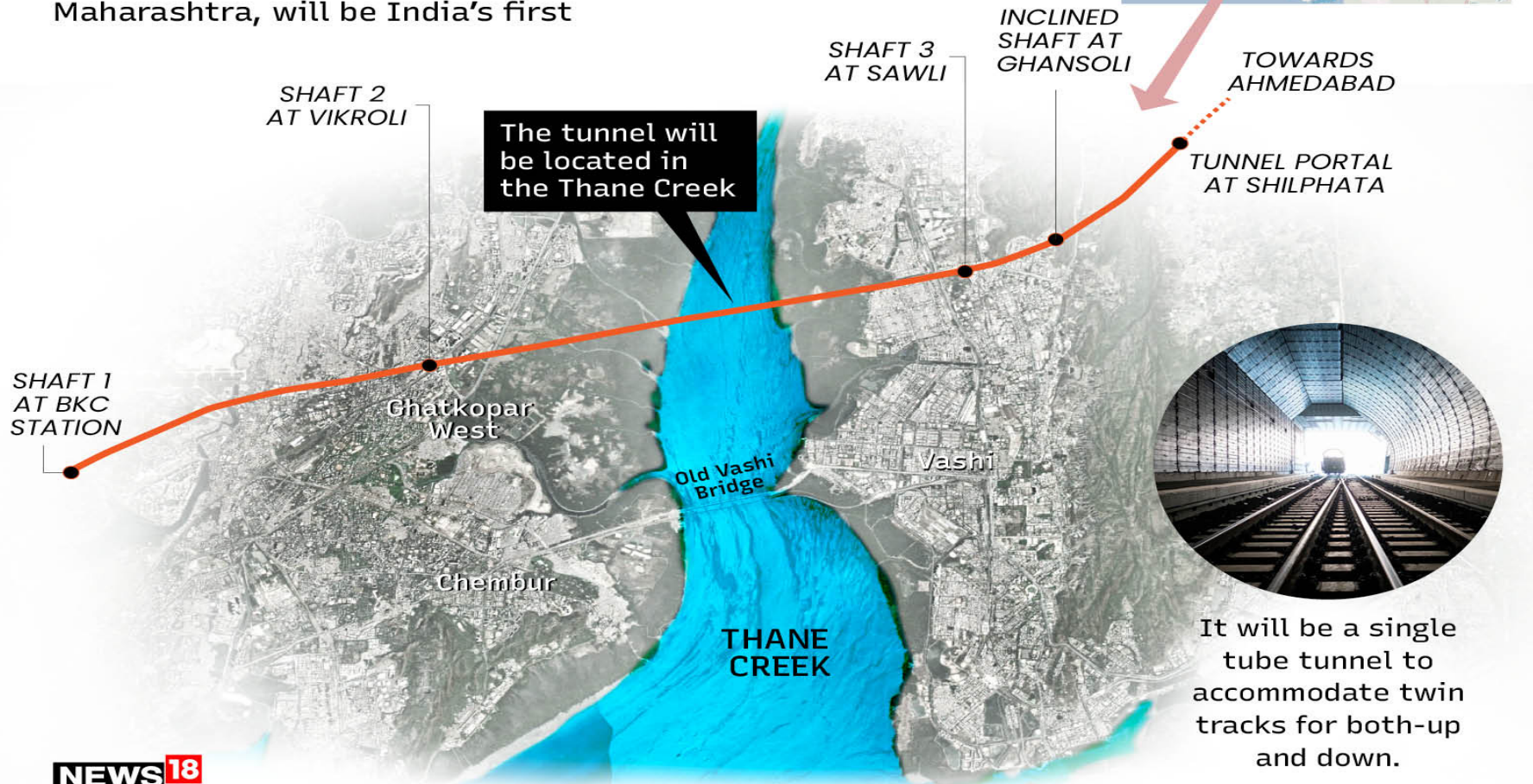
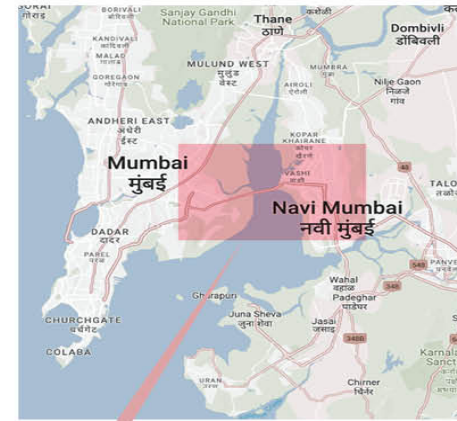
Set to open in November, the tunnels start near Girgaon (ahead of Marine Drive), extend north under the Arabian Sea, Girgaon Chowpatty and Malabar Hill, and end at Breach Candy's

CONTINUED ON PAGE 4



Plan for India's First Under-Sea Tunnel

The seven-km undersea tunnel, which is part of the 21-km tunnel between the underground station at Bandra-Kurla Complex and Shilphata in Maharashtra, will be India's first



The tunnel will be located in the Thane Creek

It will be a single tube tunnel to accommodate twin tracks for both-up and down.

● India's first undersea tunnels

Priyadarshini Park. The 2.07-km tunnels are a part of the Rs 12,721-crore Mumbai Coastal Road Project being built by the Brihanmumbai Municipal Corporation. The 10.58-km MCRP links Marine Drive to the Bandra-Worli Sea Link and is just one part of the Coastal Road project. The high-speed coastal road aims to cut down the 45-minute commute from Girgaon to Worli during peak hours to just 10 minutes.

The tunnels, which have a diameter of 12.19 metres, run 17-20 m below sea level. A nearly 1-km stretch lies under the sea. The tunnels hit peak depth at Malabar Hill at 72 m. There will be six cross passages inside the tunnel — four for pedestrians and two for motorists. Each tunnel has three lanes of 3.2 m each.

Another highlight of the project is the use of the largest ever tunnel boring machine (TBM) in the history of India. Named Mavala in honour of Shivaji's warfare experts from the Koli and Kunbi community, the TBM weighs more than 1,700 tonnes and is nearly 12 m tall. While the boring work started in January 2021, work on assembling and launching the TBM began a year ago. Manufactured by the China Railway Construction Heavy Industry Company Ltd (CRCHI), Mavala is divided into three different sections.

After year-long mining opera-

tions, Mavala made its first breakthrough from the Girgaon end in January 2022. Boring work for the second tunnel started in April 2022. The BMC expects to achieve its breakthrough by the end of May, since only 140 m of mining work is left.

The team faced multiple challenges, including lockdown and geopolitical tensions with China.

Namkak Cho, a senior tunnel engineer with South Korea-based Yooshin Engineering Company, a project management consultants (PMCs), recalled how the arrival of engineers from China, who were supposed to visit the Mumbai site to train engineers on how to operate the TBM, was delayed due to the pandemic and political tension between India and China. The Chinese engineers arrived a year later.

There were other challenges too. Mantayya Swami, MCRP chief engineer, said, "We had completed around 8 m of mining from Priyadarshini Park when we realised that the seabed above us was on the verge of collapsing. We immediately sprayed slurry on it to seal the cavity. Other challenges we faced included the shallow depth under the seabed, the small gap between the tunnel's crown and the seabed, and seawater leaking on us due to weathered rocks. We would spray slurry continuously to prevent seawater from leaking through these gaps."



INDIA-UK WAR GAMES

Indian Army personnel during the 7th edition of the India-UK military exercise, Ajeya Warrior, at Salisbury Plains in the UK. The biennial training exercise, conducted alternatively in the UK and India, began on April 27 and will end on May 11. *PTI*

'The godfather of AI' quits Google, warns of danger ahead

CADE METZ
May 1

GEOFFREY HINTON WAS an artificial intelligence pioneer. In 2012, Dr Hinton and two of his graduate students at the University of Toronto created technology that became the intellectual foundation for the AI systems that the tech industry's biggest companies believe is a key to their future.

On Monday, however, he officially joined a growing chorus of critics who say those companies are racing toward danger with their aggressive campaign to create products based on generative

INFLECTION POINT

■ Google spent \$44 million to acquire a firm started by Dr Hinton and his students. This system led to the creation of increasingly powerful technologies



■ Industry leaders believe new AI systems could be as important as the introduction of the web browser in early 1990s

■ After a new ChatGPT version came out in March, 1,000 tech leaders & researchers called for a 6-month moratorium on AI development



DR GEOFFREY HINTON

I console myself with the normal excuse: If I hadn't done it, somebody else would have. It is hard to see how you can prevent the bad actors from using it for bad things

artificial intelligence, the technology that powers popular chatbots like ChatGPT.

Dr Hinton said he has quit his job

at Google, where he has worked for more than decade and became one of the most respected voices in the field, so he can freely speak out about

the risks of AI. A part of him, he said, now regrets his life's work.

"I console myself with the normal excuse: If I hadn't done it, somebody

else would have," Dr Hinton said during a lengthy interview last week in the dining room of his home in Toronto, a short walk from where he and his students made their breakthrough.

Dr Hinton's journey from AI groundbreaker to doomsayer marks a remarkable moment for the technology industry at perhaps its most important inflection point in decades. Industry leaders believe the new AI systems could be as important as the introduction of the web browser in the early 1990s and could lead to breakthroughs in areas ranging from drug research to education.

But gnawing at many industry

insiders is a fear that they are releasing something dangerous into the wild. Generative AI can already be a tool for misinformation. Soon, it could be a risk to jobs. Somewhere down the line, tech's biggest worriers say, it could be a risk to humanity.

"It is hard to see how you can prevent the bad actors from using it for bad things," Dr. Hinton said.

After OpenAI released a new version of ChatGPT in March, more than 1,000 technology leaders and researchers signed an open letter calling for a six-month moratorium on the development of new systems.

Continued on Page 2



New Delhi



Daily Current Affairs

Gum arabic

- Companies like Coca Cola and Pepsico, have stockpiled gum arabic due to Sudan conflict.
- सूडान संघर्ष के कारण कोका कोला और पेप्सिको जैसी कंपनियों ने गोंद अरबी का भंडार कर लिया है।



What is Gum arabic?

- Gum arabic is a natural gum originally consisting of the hardened sap of two species of the Acacia tree.
- The term "gum arabic" **does not** legally indicate a particular botanical source.
- The gum is harvested commercially from wild trees, mostly in Sudan (80%) and throughout the Sahel region, from Senegal to Somalia.
- गोंद अरबी मूल रूप से बबूल के पेड़ की दो प्रजातियों के कठोर रस से बना एक प्राकृतिक गोंद है।
- "गम अरेबिक" शब्द कानूनी रूप से किसी विशेष वनस्पति स्रोत का संकेत नहीं देता है।
- सेनेगल से सोमालिया तक, ज्यादातर सूडान (80%) और पूरे साहेल क्षेत्र में जंगली पेड़ों से गोंद की व्यावसायिक रूप से कटाई की जाती है।

What are the applications of gum arabica?

Food

- As a stabilizer in baking products and beverages.
- To prevent the crystallization of sugar.
- Acts as a foam stabilizer in alcoholic drinks and binds sweeteners and other flavorings in soft drinks.

Pharmaceutical

- As a binder in tablets and in the preparation of drugs.
- As a stabilizer in emulsions.

खाना

- बेकिंग उत्पादों और पेय पदार्थों में स्टेबलाइजर के रूप में।
- चीनी के क्रिस्टलीकरण को रोकने के लिए।
- मादक पेय में फोम स्टेबलाइजर के रूप में कार्य करता है और शीतल पेय में मिठास और अन्य स्वादों को बांधता है।

फार्मास्युटिकल

- गोलियों में बाइंडर के रूप में और दवाओं की तैयारी में।
- इमल्शन में स्टेबलाइजर के रूप में।

- Used in syrups as an emollient(soothing agent)

Cosmetics

- Acts as an adhesive in facial creams and powders.
- Arabic gum is also used to provide a soft and smooth feel to lotions and creams.
- It is also used in the paper, ink, textile, metal, and paint industries.

- एक कम करनेवाला (सुखदायक एजेंट) के रूप में सिरप में प्रयुक्त

प्रसाधन सामग्री

- चेहरे की क्रीम और पाउडर में चिपकने वाला के रूप में कार्य करता है।
- अरबी गोंद का उपयोग लोशन और क्रीम को नरम और चिकना अनुभव प्रदान करने के लिए भी किया जाता है।
- इसका उपयोग कागज, स्याही, कपड़ा, धातु और पेंट उद्योगों में भी किया जाता है।

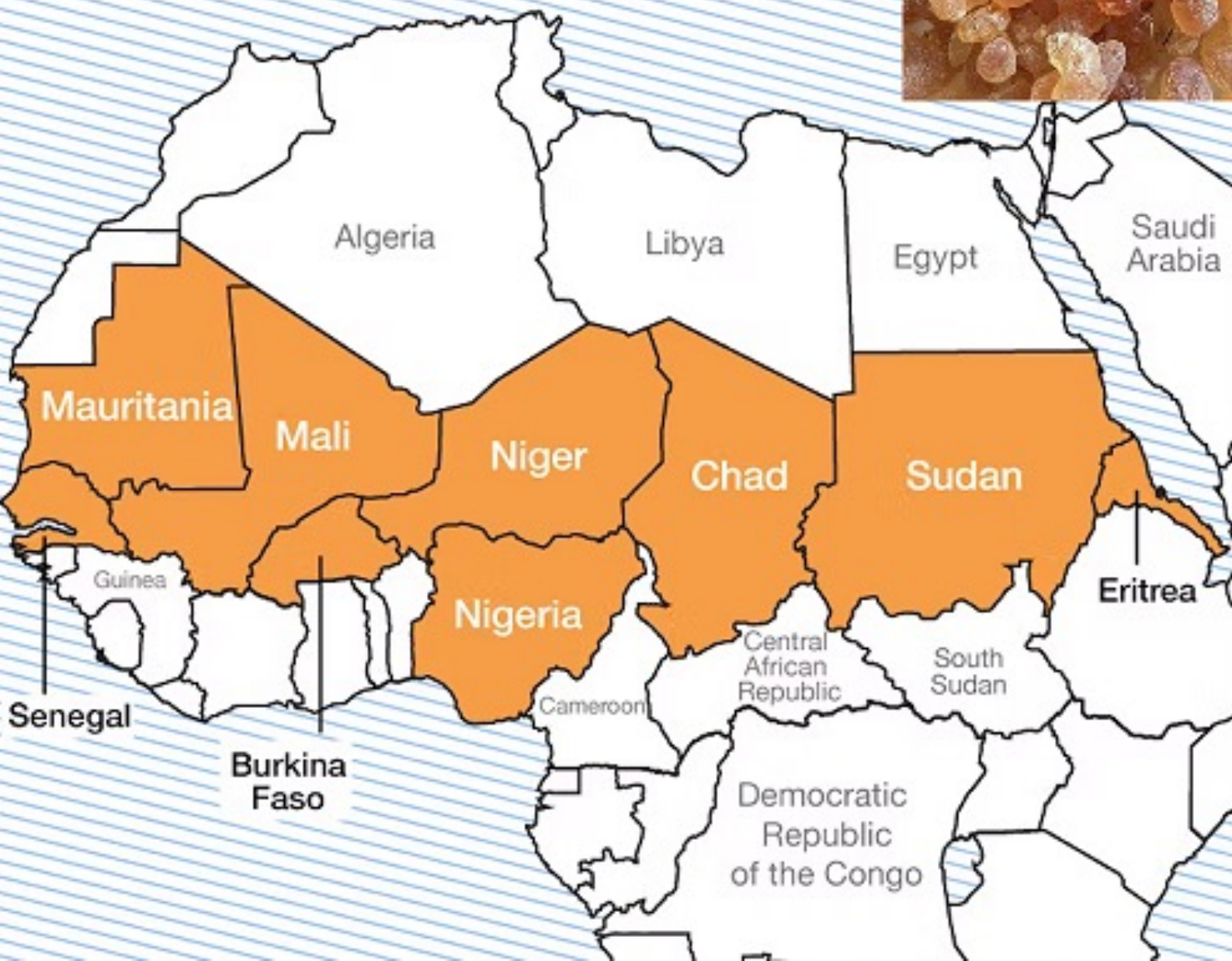
How have gum arabic stocks been affected?

- The conflict between the Military and a paramilitary unit called the Rapid Support Forces in Sudan has led to fears over a potential shortage of gum arabic.
- The Sahel region in Sudan provides around 70% of the global supply of gum arabic, which does not have many effective substitutes.
- सूडान में रैपिड सपोर्ट फ़ोर्स नामक सेना और एक अर्धसैनिक इकाई के बीच संघर्ष ने गोंद अरबी की संभावित कमी को लेकर आशंका पैदा कर दी है।
- सूडान का साहेल क्षेत्र गोंद अरबी की वैश्विक आपूर्ति का लगभग 70% प्रदान करता है, जिसके कई प्रभावी विकल्प नहीं हैं।

- Companies like Pepsico and Coca-Cola, for whom gum arabic was an essential component of their formulations, have stockpiled three-to-six months' worth of supplies in order to avoid being impacted by the disruption.
- **Traders and distributors have said that communications with their local contacts have been distributed due to the violence and Port Sudan, which was the major shipping port of the product, was prioritizing civilian evacuations. These were the major reasons behind the halting of the gum arabic trade.**

- पेप्सिको और कोका-कोला जैसी कंपनियां, जिनके लिए गोंद अरबी उनके फॉर्मूलेशन का एक अनिवार्य घटक था, ने व्यवधान से प्रभावित होने से बचने के लिए तीन से छह महीने की आपूर्ति का स्टॉक किया है।
- व्यापारियों और वितरकों ने कहा है कि हिंसा के कारण उनके स्थानीय संपर्कों के साथ संचार वितरित किया गया है और पोर्ट सूडान, जो उत्पाद का प्रमुख शिपिंग बंदरगाह था, नागरिक निकासी को प्राथमिकता दे रहा था। गोंद अरबी व्यापार के रुकने के पीछे ये प्रमुख कारण थे।

Sahel region, Africa



What is Bluebugging?

- Concerned over an increase in instances of cybercrime, Andhra Pradesh police recently asked the people to be wary of "bluebugging."
- साइबर अपराध के मामलों में वृद्धि पर चिंतित आंध्र प्रदेश पुलिस ने हाल ही में लोगों से "ब्लूबगिंग" से सावधान रहने को कहा है।



Bluebugging

- It is a **form of hacking** that lets attackers **access a device through its discoverable Bluetooth connection**.
- Once a device or phone is bluebugged, a **hacker can listen to the calls, read and send messages and steal and modify contacts**.
- It started out as a threat for laptops with Bluetooth capability.
- यह हैकिंग का एक रूप है जो हमलावरों को डिवाइस को खोजने योग्य ब्लूटूथ कनेक्शन के माध्यम से एक्सेस करने देता है।
- एक बार डिवाइस या फोन के ब्लूबग हो जाने पर, हैकर कॉल सुन सकता है, संदेश पढ़ सकता है और भेज सकता है और संपर्क चुरा सकता है और संशोधित कर सकता है।
- यह ब्लूटूथ क्षमता वाले लैपटॉप के लिए खतरे के रूप में शुरू हुआ।

- Later hackers used the technique to target mobile phones and other devices.
- **This attack is often limited due to the range of Bluetooth connections,** which goes up to only 10 meters.
- बाद में हैकर्स ने इस तकनीक का इस्तेमाल मोबाइल फोन और अन्य उपकरणों को निशाना बनाने के लिए किया।
- यह हमला अक्सर ब्लूटूथ कनेक्शन की सीमा के कारण सीमित होता है, जो केवल 10 मीटर तक जाता है।

Daily Current Affairs

Yellow Fever

- A total of 117 passengers of Indian Origin that have arrived from Sudan are currently quarantined because they were not vaccinated against Yellow Fever.
- सूडान से आए भारतीय मूल के कुल 117 यात्रियों को फिलहाल क्वारंटाइन किया गया है क्योंकि उन्हें येलो फीवर का टीका नहीं लगाया गया था।



- **Nomenclature:** Yellow fever is often associated with jaundice, hence the name yellow.

- **Endemic countries:** to WHO, Yellow fever occurs in 47 endemic countries in Africa in Central and South America. Around 90% of cases reported every year occur in Sub-Saharan Africa.

- **नामकरण:** पीला बुखार अक्सर पीलिया से जुड़ा होता है, इसलिए इसका नाम पीला है।

- **स्थानिक देश:** WHO के अनुसार, मध्य और दक्षिण अमेरिका में अफ्रीका के 47 स्थानिक देशों में पीत ज्वर होता है। उप-सहारा अफ्रीका में हर साल रिपोर्ट किए गए लगभग 90% मामले सामने आते हैं।

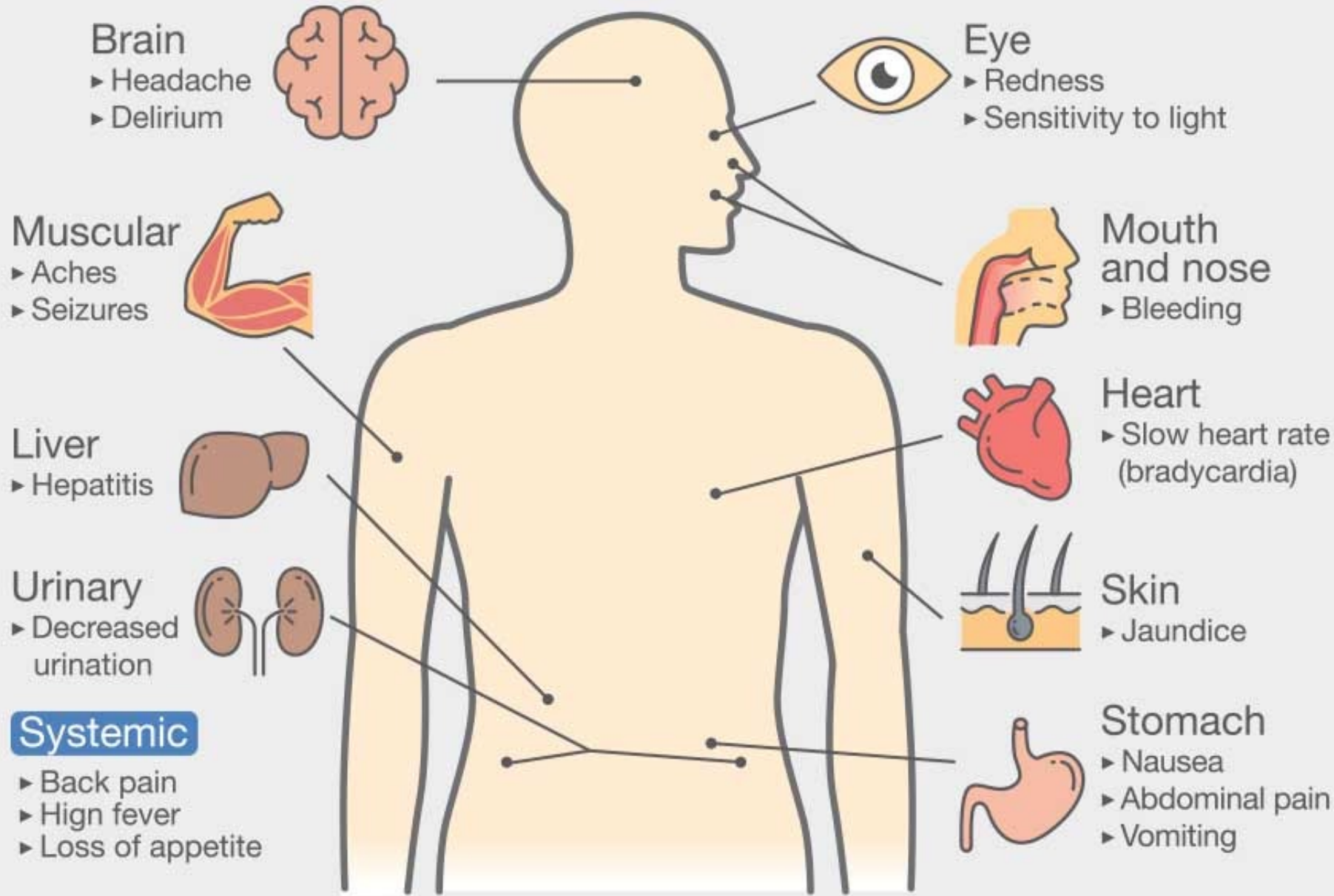
Transmission

- The yellow fever virus is transmitted by infected mosquitoes, most commonly from the Aedes species – the same mosquito that spreads the Zika, Chikungunya and Dengue virus. Haemogogus mosquitoes also spread it and are mostly found in the jungle.
- The disease cannot be spread by contact from one person to another.

• हस्तांतरण

- पीत ज्वर वायरस संक्रमित मच्छरों द्वारा फैलता है, जो आमतौर पर एडीज प्रजाति से होता है - वही मच्छर जो जीका, चिकनगुनिया और डेंगू वायरस फैलाता है। हीमोगोगस मच्छर भी इसे फैलाते हैं और ये ज्यादातर जंगल में पाए जाते हैं।
- यह रोग एक व्यक्ति से दूसरे व्यक्ति के संपर्क में आने से नहीं फैल सकता है।

Symptoms of Yellow Fever



Prevention and Treatment:

- Yellow fever can be single dose of yellow fever vaccine, known as 17D, provides life-long immunity against the disease.
- There is no specific treatment for yellow fever but good supportive treatment of symptoms, such as dehydration, fever and infection, improves survival rates.

रोकथाम और उपचार:

- पीत ज्वर, पीत ज्वर के टीके की एक खुराक, जिसे 17डी के नाम से जाना जाता है, रोग के विरुद्ध आजीवन प्रतिरक्षा प्रदान करता है।
- पीत ज्वर के लिए कोई विशिष्ट उपचार नहीं है लेकिन निर्जलीकरण, बुखार और संक्रमण जैसे लक्षणों का अच्छा सहायक उपचार जीवित रहने की दर में सुधार करता है।

- Associated bacterial infections can be treated with antibiotics prevented by a vaccine that is protective for life. As.

- एसोसिएटेड बैक्टीरियल इन्फेक्शन का इलाज एंटीबायोटिक दवाओं से किया जा सकता है, जो जीवन के लिए सुरक्षात्मक है। जैसा।

Daily Current Affairs

Anji Khad Bridge

- The Prime Minister praised the completion of India's first cable-stayed rail bridge, the Anji Khad Bridge in Jammu and Kashmir.
- प्रधान मंत्री ने भारत के पहले केबल-स्टे रेल ब्रिज, जम्मू और कश्मीर में अंजी खाद ब्रिज के पूरा होने की प्रशंसा की।



Key Points

- The Anji-Khad rail bridge is **India's first cable-stayed rail bridge on Anji river** (Anji River is a tributary of Chenab River)
- It is a cable-stayed bridge connecting Katra and Reasi section of Jammu–Baramulla line in the Jammu Division of Jammu and Kashmir.
- अंजी-खाद रेल पुल अंजी नदी पर भारत का पहला केबल-युक्त रेल पुल है (अंजी नदी चिनाब नदी की एक सहायक नदी है)
- यह जम्मू और कश्मीर के जम्मू डिवीजन में जम्मू-बारामूला लाइन के कटरा और रियासी खंड को जोड़ने वाला एक केबल-स्टे ब्रिज है।



- The bridge is a part of rail line connecting Udhampur to Baramulla via Srinagar, a crucial connector between Kashmir and rest of India via railways.

- पुल श्रीनगर के माध्यम से उधमपुर को बारामूला से जोड़ने वाली रेल लाइन का एक हिस्सा है, जो रेलवे के माध्यम से कश्मीर और शेष भारत के बीच एक महत्वपूर्ण संबंधक है।

- A large number of sensors have been placed on the Anji bridge so that the structural health can be monitored regularly.
- Also, an explosion with up to 40 kg explosives will also not be able to destroy the bridge.

- अंजी पुल पर बड़ी संख्या में सेंसर लगाए गए हैं ताकि संरचनात्मक स्वास्थ्य की नियमित रूप से निगरानी की जा सके।
- साथ ही 40 किलो तक के विस्फोटक के साथ विस्फोट भी पुल को नष्ट नहीं कर पाएगा।

Specifications of bridge

- The total length of the bridge is 725 meters, out of which the main bridge is 473.25 meters long.
- Trains will be able to run at speeds of 100 kilometers per hour on the bridge.
- It has been designed to handle heavy storms and wind speed of up to 213 kilometers per hour.
- पुल की कुल लंबाई 725 मीटर है, जिसमें मुख्य पुल की लंबाई 473.25 मीटर है।
- पुल पर 100 किलोमीटर प्रति घंटे की रफ्तार से ट्रेनें दौड़ सकेंगी।
- इसे भारी तूफान और 213 किलोमीटर प्रति घंटे तक की हवा की गति को संभालने के लिए डिजाइन किया गया है।



Daily Current Affairs

Yuva Tourism Clubs

- The Tourism Ministry will undertake a special initiative of 100 Episodes of Mann ki Baat - 100 days of Action through the Yuva Tourism Clubs.
- पर्यटन मंत्रालय युवा पर्यटन क्लबों के माध्यम से मन की बात के 100 एपिसोड - 100 दिनों की कार्रवाई की एक विशेष पहल करेगा।



- The Ministry has constituted 30 thousand Yuva Tourism Clubs till May 1, 2023 to nurture and develop young ambassadors of Indian tourism.

- **Vision**: The vision is to nurture and develop young ambassadors of Indian tourism who would become aware of tourism possibilities in India, appreciate our rich cultural heritage and develop an interest and passion for tourism.

- मंत्रालय ने भारतीय पर्यटन के युवा राजदूतों के पोषण और विकास के लिए 1 मई, 2023 तक 30 हजार युवा पर्यटन क्लबों का गठन किया है।

- **विजन**: दृष्टि भारतीय पर्यटन के युवा राजदूतों का पोषण और विकास करना है जो भारत में पर्यटन की संभावनाओं से अवगत होंगे, हमारी समृद्ध सांस्कृतिक विरासत की सराहना करेंगे और पर्यटन के लिए रुचि और जुनून विकसित करेंगे।

- These young ambassadors will be catalysts for promoting tourism in the country.
- The establishment of Yuva Tourism Clubs was initiated in schools, colleges and Indian Hotel Management institutions in connection with the Azadi Ka Amrut Mahotsav celebrations.
- The Ministry of Tourism has also proposed to increase the number of Yuva Tourism Clubs to 50 thousand in the next 100 days, starting from May 1, 2023.

- ये युवा राजदूत देश में पर्यटन को बढ़ावा देने के उत्प्रेरक होंगे।
- आजादी का अमृत महोत्सव समारोह के सिलसिले में स्कूलों, कॉलेजों और भारतीय होटल प्रबंधन संस्थानों में युवा पर्यटन क्लबों की स्थापना शुरू की गई थी।
- पर्यटन मंत्रालय ने 1 मई, 2023 से अगले 100 दिनों में युवा पर्यटन क्लबों की संख्या बढ़ाकर 50 हजार करने का भी प्रस्ताव दिया है।

- Participation in Tourism Clubs is also expected to facilitate development of soft skills like teamwork, management, leadership besides encouraging adoption of responsible tourism practices and concern for sustainable tourism.

- पर्यटन क्लबों में भागीदारी से टीम वर्क, प्रबंधन, नेतृत्व जैसे सॉफ्ट स्किल्स के विकास के अलावा जिम्मेदार पर्यटन प्रथाओं को अपनाने और टिकाऊ पर्यटन के लिए चिंता को बढ़ावा देने की भी उम्मीद है।

Daily Current Affairs

Sustainable Aviation Fuel (SAF)

Recently, the **Indian Institute of Petroleum (IIP)**, a laboratory of the **Council of Scientific and Industrial Research (CSIR)**, has tied up with **Boeing, Indigo, Spicejet** and the three **Tata Airlines - Air India, Vistara** and **AirAsia India** to support the production of **Sustainable Aviation Fuel (SAF)**.

हाल ही में, वैज्ञानिक और औद्योगिक अनुसंधान परिषद (CSIR) की एक प्रयोगशाला, भारतीय पेट्रोलियम संस्थान (IIP) ने बोइंग, इंडिगो, स्पाइसजेट और तीन टाटा एयरलाइंस - एयर इंडिया, विस्तारा और एयरएशिया इंडिया के साथ करार किया है। सस्टेनेबल एविएशन फ्यूल (SAF) का उत्पादन।

What is Sustainable Aviation Fuel (SAF)?

- **Sustainable Aviation Fuel (SAF)**, also referred to as **bio-jet fuel**, is created using **domestically developed methods** using **cooking oil** and **oil-rich seeds from plants**.
- The **SAF samples** produced by the institutes are undergoing strict testing at the **US Federal Aviation Administration Clearinghouse** to meet the standards required for the **ASTM D4054 certification** from **ASTM International**.
- The **CSIR-IIP** has created fuel using different materials, such as **non-edible** and **edible oils**, as well as used **cooking oil**.

सस्टेनेबल एविएशन फ्यूल (SAF) क्या है?

- सस्टेनेबल एविएशन फ्यूल (SAF), जिसे जैव-जेट ईंधन के रूप में भी जाना जाता है, खाना पकाने के तेल और तेल युक्त पौधों के बीजों का उपयोग करके घरेलू रूप से विकसित विधियों का उपयोग करके बनाया जाता है।
- एएसटीएम इंटरनेशनल से एएसटीएम डी4054 प्रमाणन के लिए आवश्यक मानकों को पूरा करने के लिए संस्थानों द्वारा उत्पादित एसएएफ नमूनों का यूएस फेडरल एविएशन एडमिनिस्ट्रेशन क्लीयरिंगहाउस में सख्त परीक्षण किया जा रहा है।
- CSIR-IIP ने अखाद्य और खाद्य तेलों के साथ-साथ उपयोग किए गए खाना पकाने के तेल जैसी विभिन्न सामग्रियों का उपयोग करके ईंधन बनाया है।

Benefits of SAF Scaling in India:

- **Scaling up the production and use of SAF in India can bring several benefits, including reducing GHG emissions, improving air quality, enhancing energy security, creating jobs in the renewable energy sector, and promoting sustainable development.**
- **It can also help the aviation industry meet its environmental targets and contribute to global efforts to combat climate change.**
- भारत में SAF के उत्पादन और उपयोग को बढ़ाने से GHG उत्सर्जन को कम करने, वायु की गुणवत्ता में सुधार, ऊर्जा सुरक्षा में वृद्धि, नवीकरणीय ऊर्जा क्षेत्र में रोजगार सृजित करने और सतत विकास को बढ़ावा देने सहित कई लाभ मिल सकते हैं।
- यह विमानन उद्योग को अपने पर्यावरणीय लक्ष्यों को पूरा करने में मदद कर सकता है और जलवायु परिवर्तन से निपटने के वैश्विक प्रयासों में योगदान दे सकता है।

- **Biofuel for aviation** can be mixed with regular **jet fuel** and used together.
- Compared to traditional fuel, it has **lower sulfur content**, which can decrease air pollution and support India's goal of achieving **Net Zero emissions**.

- विमानन के लिए जैव ईंधन को नियमित जेट ईंधन के साथ मिलाकर एक साथ उपयोग किया जा सकता है।
- पारंपरिक ईंधन की तुलना में, इसमें सल्फर की मात्रा कम होती है, जो वायु प्रदूषण को कम कर सकती है और नेट जीरो उत्सर्जन को प्राप्त करने के भारत के लक्ष्य का समर्थन कर सकती है।

What are the Challenges Associated with SAF?

High Cost

उच्च लागत

Resource Availability

संसाधनों की उपलब्धता

Feedstock Availability

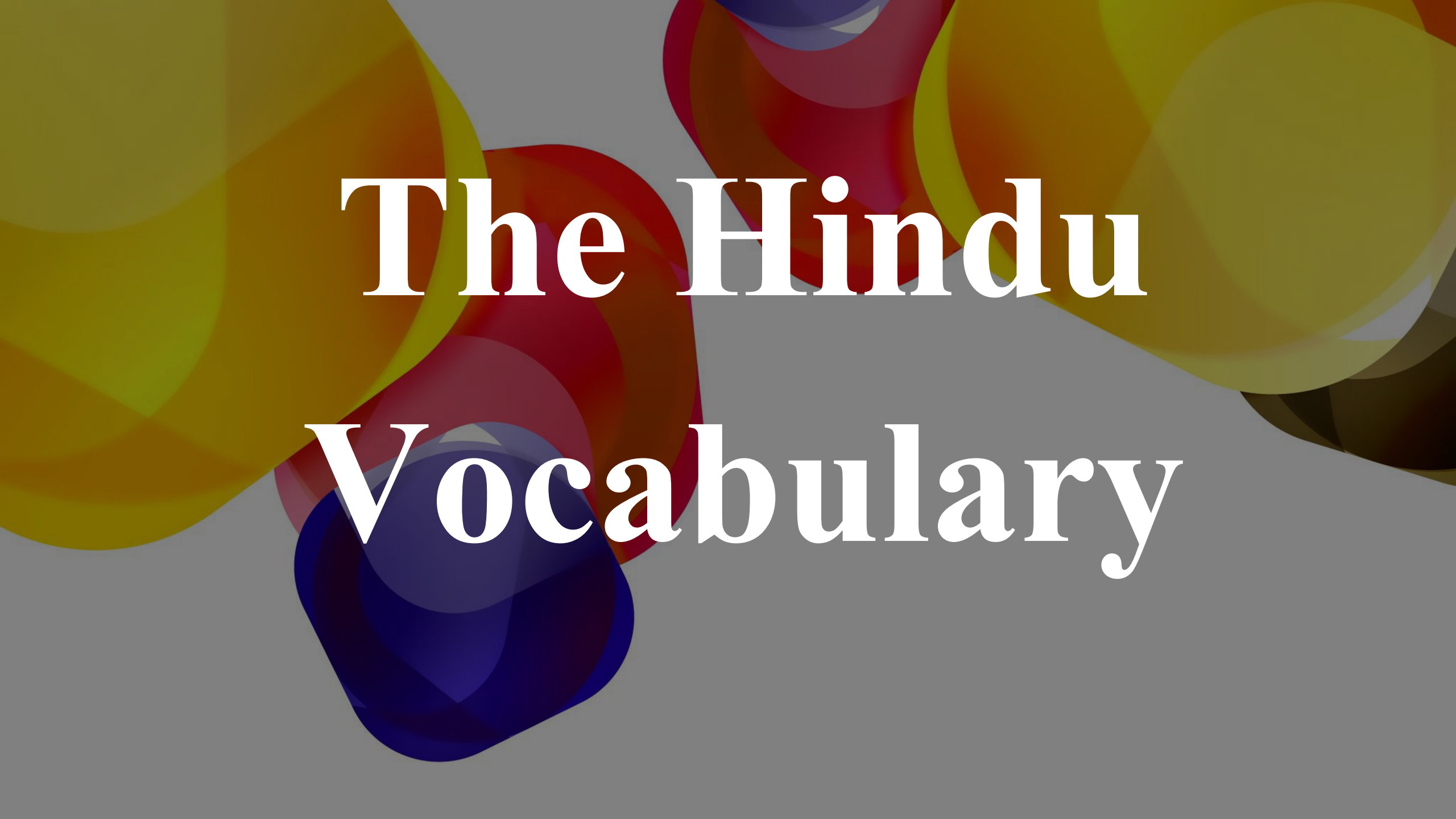
फीडस्टॉक उपलब्धता

Certification

प्रमाणीकरण

Public Awareness

जन जागरण



The Hindu Vocabulary

Impregnable (Adjective) : अजेय :

incapable of being overcome, challenged,
or defeated

Synonyms: invincible, invulnerable,
unconquerable

Antonyms: susceptible, vulnerable



Rudimentary (adj.) : involving or limited to basic principles. (मौलिक)

Synonyms: basic, elementary, introductory

Antonyms: advanced, developed, evolved



Pluralism (Noun) : the existence of different types of people, who have different beliefs and opinions, within the same society

Synonyms: diversity, heterogeneity, multiplicity, variety

Antonyms: uniformity, similarity, consistency, sameness



Affronted (verb) : offend the modesty
or values of. (अपमानित)

Synonyms: insult, offend, outrage

Antonyms: acclaimed, applauded,
praised



Flimsy (Adjective) : कमज़ोर :

comparatively light and insubstantial;
easily damaged.

Synonyms: fragile, insubstantial,
feeble, light

Antonyms: sturdy, substantial, strong



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1. Consider the following statements

Grey Hydrogen is produced via a process called steam methane reformation (SMR) of natural gas or methane.

Blue Hydrogen is produced via natural gas or coal gasification combined with carbon capture storage (CCS) technologies to reduce carbon emissions.

Choose the correct statements:

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

1. निम्नलिखित कथनों पर विचार कीजिए

1. ग्रे हाइड्रोजन का उत्पादन प्राकृतिक गैस या मीथेन के स्टीम मीथेन रिफॉर्मेशन (SMR) नामक प्रक्रिया के माध्यम से किया जाता है।
2. कार्बन उत्सर्जन को कम करने के लिए कार्बन कैप्चर स्टोरेज (CCS) तकनीकों के साथ संयुक्त प्राकृतिक गैस या कोयला गैसीकरण के माध्यम से ब्लू हाइड्रोजन का उत्पादन किया जाता है।

सही कथनों का चयन करें:

- ए) केवल 1
- बी) केवल 2
- सी) 1 और 2 दोनों
- डी) न तो 1 और न ही 2

Answer – C

- Types of Hydrogen based on Extraction Methods:
- **Grey Hydrogen:** It is produced via coal or lignite gasification (black or brown), or via a process called steam methane reformation (SMR) of natural gas or methane (grey). These tend to be mostly carbon-intensive processes.
- **Blue Hydrogen:** It is produced via natural gas or coal gasification combined with carbon capture storage (CCS) or carbon capture use (CCU) technologies to reduce carbon emissions.

- **Green Hydrogen:** It is produced using electrolysis of water with electricity generated by renewable energy. The carbon intensity ultimately depends on the carbon neutrality of the source of electricity (i.e., the more renewable energy there is in the electricity fuel mix, the “greener” the hydrogen produced).

2. With reference to Rabies, consider the following statements

1. It is caused by a DNA virus present in the saliva of a rabid animal.
2. The Government has pledged its elimination from India by 2030.

Which of the above statements is/are correct?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

2. रेबीज के संदर्भ में निम्नलिखित कथनों पर विचार कीजिए

1. यह एक पागल जानवर के लार में मौजूद डीएनए वायरस के कारण होता है।
2. सरकार ने 2030 तक भारत से इसके खात्मे का संकल्प लिया है।

उपरोक्त कथनों में से कौन-सा/से सही है/हैं?

- ए) केवल 1
- बी) केवल 2
- c) 1 और 2 दोनों
- d) न तो 1 और न ही 2

Answer – B

- Rabies is a vaccine-preventable, zoonotic, viral disease. It is caused by a Ribonucleic Acid (RNA) virus that is present in the saliva of a rabid animal (dog, cat, monkey, etc).
- It is invariably transmitted following a bite of an infected animal that leads to deposition of the saliva and the virus in the wound. Once clinical symptoms appear, rabies is virtually 100% fatal.
- The Government has launched ‘National Action Plan For Dog Mediated Rabies Elimination (NAPRE) from India by 2030’.

3. which of the following statements is/are correct for Sudan?

1. Sudan is located in the north western part of Africa.
2. Sudan shares border with Chad, Libya and Ethiopia only.
3. River Nile enters Sudan from North.

Select the correct answer using the codes given below:

- a) 1 & 2 only
- b) 2 only
- c) 3 only
- d) 1 & 3

3. निम्नलिखित में से कौन सा/से कथन सूडान के लिए सही है/हैं?

1. सूडान अफ्रीका के उत्तर पश्चिमी भाग में स्थित है।
2. सूडान केवल चाड, लीबिया और इथियोपिया के साथ सीमा साझा करता है।
3. नील नदी उत्तर से सूडान में प्रवेश करती है।

नीचे दिए गए कूट का प्रयोग कर सही उत्तर चुनिए:

- क) केवल 1 और 2
- बी) केवल 2
- ग) केवल 3
- डी) 1 और 3

Answer – C

- Sudan is a land locked country located in the north-eastern part of the African continent. It shares border with Egypt and Libya in the north, Chad and Central African Union in the west, South Sudan in the south and Ethiopia and Eritrea in east.
- The Red sea touches borders Sudan in north east. While the River Nile passes almost through the Middle of Sudan from North to south direction.



4. Who started the Azad Hind Radio as part of Germany's radio service in 1942?

- a) Usha Mehta
- b) Subhas Chandra Bose
- c) Rash Behari Bose
- d) Captain Dr. Lakshmi Swaminadhan

4. 1942 में जर्मनी की रेडियो सेवा के अंग के रूप में आजाद हिंद रेडियो की शुरुआत किसने की थी?

- क) उषा मेहता
- ब) सुभाष चंद्र बोस
- क) रास बिहारी बोस
- द) कैप्टन डॉ. लक्ष्मी स्वामीनाथन

Answer – B

- Subhash Chandra Bose started the Azad Hind Radio as part of Germany's radio service in 1942. The programmes were meant to create bonds between Indians living abroad with those in the motherland under British colonial rule.
- Though initially based in Nazi Germany, its headquarters were shifted to Japanese occupied Singapore, and later to Hyderabad, following the course of the war in Southeast Asia

5. With reference to the Indian Government's recent evacuation Operations, the Operation 'Devi Shakti' was launched to?

- a) Evacuate Indian citizens and foreign nationals from Afghanistan after the collapse of the Islamic Republic of Afghanistan
- b) Rescue its citizens stranded in neighboring countries during the 2022 Russian invasion of Ukraine.
- c) Search and rescue operation led by the Indian government to assist Syria and Turkey following the devastating 2023 Turkey-Syria earthquake
- d) Evacuate Indian and other foreign nationals from South Sudan amidst the ongoing civil war

5. भारत सरकार के हाल ही में निकासी अभियानों के संदर्भ में, ऑपरेशन 'देवी शक्ति' किसके लिए शुरू किया गया था?

- a) अफगानिस्तान के इस्लामिक गणराज्य के पतन के बाद अफगानिस्तान से भारतीय नागरिकों और विदेशी नागरिकों को निकालना
- b) 2022 में यूक्रेन पर रूसी आक्रमण के दौरान पड़ोसी देशों में फंसे अपने नागरिकों को छुड़ाना।
- c) विनाशकारी 2023 तुर्की-सीरिया भूकंप के बाद सीरिया और तुर्की की सहायता के लिए भारत सरकार के नेतृत्व में खोज और बचाव अभियान
- घ) चल रहे गृहयुद्ध के बीच दक्षिण सूडान से भारतीय और अन्य विदेशी नागरिकों को निकालना

Answer – A

- **Operation Devi Shakti (2021):**
- Operation Devi Shakti (transl. Operation Goddess Shakti) was an operation of the Indian Armed Forces to evacuate Indian citizens and foreign nationals from Afghanistan after the collapse of the Islamic Republic of Afghanistan and the fall of Kabul, the capital city, to the Taliban